Type : ANIL_001
Manufacturer : ANIL ORMAN ÜRÜNLERİ SAN. VE DIŞ TİC. LTD. ŞTİ.

# Test Report

Concerning the Adoption of Uniform Technical Prescriptions for Wheeled Vehicles, Equipment and Parts which can be Fitted and/or be Used on Wheeled Vehicles and the Conditions for Reciprocal Recognition of Approvals Granted on the Basis of these Prescriptions

## Uniform technical prescriptions concerning the burning behaviour and/or the capability to repel fuel or lubricant of materials used in the construction of certain categories of motor vehicles (component test)

**ECE-R 118**

as last amended by 03

Supplement 01

and

FMVSS 302 – CMVSS 302

| Approval status | |
|---|---|
| ☒ | Granting of a test report only (1) |
| ☐ | Extension to type approval no / test report only (1) |
| ☐ | Correction to type approval no. / test report only (1) … |
| (1) Delete where not applicable | |

| | | | |
|---|---|---|---|
| **0.** | **General** | | |
| 0.1. | Make (trade name of manufacturer) | : | ANIL KONTRPLAK |
| 0.2. | Type | : | ANIL_001 |
| 0.2.1. | Commercial description | : | Not applicable |
| 0.4. | Category of vehicle | : | Component |
| 0.5. | Manufacturer's name and address | : | ANIL ORMAN ÜRÜNLERİ SAN. VE DIŞ TİC. LTD. ŞTİ.<br>OSB 2.CAD NO:2 İNEGÖL/BURSA TURKEY |
| 0.6. | Manufacturer's information document | | |
| | No. | : | ANIL2019001 |
| | Date of issue | : | 23.09.2019 |
| | Date of last change | : | Not applicable |
| 0.8. | Name and address of assembly plant | : | ANIL ORMAN ÜRÜNLERİ SAN. VE DIŞ TİC. LTD. ŞTİ.<br>OSB 2.CAD NO:2 İNEGÖL/BURSA TURKEY |
| 0.9. | Name and address of manufacturer's representative | : | Not applicable |
| 0.10. | Location of approval mark<br>(where applicable) | : | Not applicable |

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## 1. Test Object

### 1.1. Worst Case Selection :

The interior material was tested for test to determine the horizontal burning, melting behaviour and vertical burning rate of materials according to R118.03. The manufacturer mentioned the thickness of material as min. 6,45 mm. Therefore 6,45 mm thickness of material was tested.

### 1.2. Test Component

| | | |
|---|---|---|
| Material Use | : | Interior Material |
| Base Material(s) Designation | : | 40 % BEECH, 60 % POPLAR |
| Colour | : | Brown |
| Number of Layers*/~~Multiple-single core~~* | : | 1.Layer: Beech: 1,5 mm<br>2.Layer: Poplar: 1,15 mm<br>3.Layer: Poplar: 1,15 mm<br>4.Layer: Poplar: 1,15 mm<br>5.Layer: Beech: 1,5 mm |
| Type of Coating | : | Not applicable |
| Thickness (mm)*/~~Conductor total size ($mm^2$)~~* | : | Min. 6,45 mm |
| Restrictions of Use (if applicable) | : | Not applicable |

**Strikethrough, as appropriate.*

### 1.3. Remarks : None.

## 2. Test Record

### 2.1. Test Conditions

2.1.1. Parameter of the test area : Temperature: 28˚C, Humidity: 65 %

2.1.2. Equipment for measuring and testing :

| Equipment | Serial or Certificate No. | Calibration due |
|---|---|---|
| Tape Measure | GCS-TM25 / 20926 | 05/2020 |
| Calliper | GCS-VC11 / 20923 | 05/2020 |
| Chronometer | GCS-SW01 / 33525 | 09/2020 |
| Precision Scales | GCS-WS01 / 20922 | 05/2020 |
| Hygrometer and Thermometer | GCS-WH02 / 20925 | 05/2020 |

| **2.2.** | **Test Results** | | **Fulfilled?** Yes / No / N/A |
|---|---|---|---|
| Below items are from legislation | | | |
| | **Horizontal Burning Rate of Materials (Annex 6)** | | |
| *Ann 6.* | This test is only applicable if the material is used for either:<br>- Material and composite material installed in a horizontal position in the interior compartment*<br>- ~~Insulation material(s) installed in a horizontal position in the engine compartment and any separate heating compartment*~~<br>**Strikethrough, as appropriate.* | : | Yes |
| *Ann 6, 1.1.* | *Note.1. Five samples shall undergo the test in the case of an isotropic material or ten samples in the case of a non-isotropic material (five for each direction).*<br>*Note.2. The result of the test shall be considered satisfactory if, taking the worse test results into account, the horizontal burning rate is not more than 100 mm/minute or if the flame extinguishes before reaching the last measuring point.* | | |
| | **Apparatus** | | |
| *Ann 6, 2.1.* | Combustion chamber is stainless steel and has the dimensions given in Figure 2. The front of the chamber contains a flame-resistant observation window, which covers the front and can be constructed as an access panel. | : | Yes |
| *Ann 6, 2.1.* | Bottom of the chamber has vent holes and the top has a vent slot all around. The combustion chamber is placed on four feet, 10 mm high. | : | Yes |
| *Ann 6, 2.1.* | Chamber may have a hole at one end for the introduction of the sample holder containing the sample holder; in the opposite end, a hole is provided for the gas line. Melted material is caught in a pan (see Figure 3), which is placed on the bottom of the chamber between vent holes without covering any vent hole area. | : | Yes |
| *Ann 6, 2.2.* | Sample holder consists of two U-shaped metal plates or frames of corrosion-proof material (dimensions given in Figure 4). | : | Yes |
| *Ann 6, 2.2.* | Lower plate is equipped with pins, the upper one with corresponding holes in order to ensure a consistent holding of the sample. | : | Yes |
| *Ann 6, 2.2.* | Support is provided in the form of 0.25 mm diameter heat-resistant wires spanning the frame at 25 mm intervals over the bottom U-shaped frame (see Figure 5). | : | Yes |
| *Ann 6, 2.2.* | Plane of the lower side of samples is 178 mm above the floor plate. The distance of the front edge of the sample holder from the end of the chamber is 22 mm; the distance of the longitudinal sides of the sample holder from the sides of the chamber is 50 mm (all inside dimensions). (See Figures 1 and 2). | : | Yes |

| | | | |
|---|---|---|---|
| *Ann 6, 2.3.* | Small ignition source is provided by a Bunsen burner having an inside diameter of 9.5 ± 0.5 mm. | : | Yes |
| *Ann 6, 2.4.* | Gas supplied to the burner has a calorific value near 38 MJ/m$^3$ (e.g. natural gas). | : | Yes |
| *Ann 6, 2.5.* | Metal comb is at least 110 mm in length, with seven to eight smooth rounded teeth per 25 mm. | : | Yes |
| *Ann 6, 2.6.* | Stopwatch is accurate to 0.5 seconds. | : | Yes |
| *Ann 6, 2.7.* | If applicable, the volume of the fume cupboard is at least 20, but not more than 110 times greater than the volume of the combustion chamber, and no dimension is greater than 2.5 times either of the other two dimensions. | : | Yes |
| *Ann 6, 2.7.* | Vertical velocity of the air through the fume cupboard is between 0.1 and 0.3 m/s, measured 100 mm in front and behind of the location of the combustion chamber. | : | Yes |

**Samples**

| | | | |
|---|---|---|---|
| *Ann 6, 3.1.1.* | Shape and dimensions of sample correspond to Figure 6. The thickness is ≤ 13 mm and has a constant section over its entire length. | : | Yes |
| *Ann 6, 3.1.2.* | If the shape and dimensions of the product are not practical, the following dimensions are maintained:<br>- For samples having a width between 3 and 60 mm, the length is 356 mm*<br>- For samples having a width between 60 and 100 mm, the length is at least 138 mm*<br>**Strikethrough, as appropriate.* | : | N/A |
| *Ann 6, 3.1.3* | The size of the sample | : | Yes |

| | | |
|---|---|---|
| Length: | 356 | mm |
| Width: | 100 | mm |
| Thickness: | 6,45 | mm |

| | | | |
|---|---|---|---|
| *Ann 6, 3.2.* | Samples are conditioned for at least 24 hours, but not more than 7 days at 23 °C ± 2 °C, and have a relative humidity of 50 ± 5 % immediately prior to testing. | : | Yes |

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**Procedure**

| | | | |
|---|---|---|---|
| *Ann 6, 4.1.* | Samples with napped or tufted surfaces are combed twice against the nap. | : | N/A |
| *Ann 6, 4.2.* | Sample is placed in the sample holder, with the exposed side facing downwards towards the flame. | : | Yes |
| *Ann 6, 4.3.* | Gas flame is adjusted to a height of 38 mm, and the flame is stabilised for 1 minute. | : | Yes |
| *Ann 6, 4.4.* | Sample holder is pushed into the combustion chamber and the end of the sample is exposed to the flame for 15 seconds, before the gas flow is cut off. | : | Yes |
| *Ann 6, 4.5.* | Observing the faster burning side (upper or lower), the measuring time starts at the moment when the foot of the flame passes the first measuring point. | : | Yes |
| *Ann 6, 4.6.* | Measuring finish time is when either the flame reaches the last measuring point or at the point of extinguishing of the flame. | : | Yes |
| *Ann 6, 4.7.* | If the sample did not ignite or continue burning after the gas flame was removed, or if the flame did not reach the first measuring point, the burnt distance is 0 mm. | : | Yes |

**Isotropic Material** : Yes

5 samples of Isotropic Material in one direction

| Sample No. | Start Time (secs) | Finish Time (secs) | Burning Duration (secs) | Burnt Distance (mm) | Burning Rate (mm/min) |
|---|---|---|---|---|---|
| 1 | 0 | 0 | 0 | 0 | 0 |
| 2 | 0 | 0 | 0 | 0 | 0 |
| 3 | 0 | 0 | 0 | 0 | 0 |
| 4 | 0 | 0 | 0 | 0 | 0 |
| 5 | 0 | 0 | 0 | 0 | 0 |

*Burn rate limit: 100 mm/min*

**Non-isotropic Material** : N/A

5 Samples of Non-isotropic Material in warp direction

| Sample No. | Start time (secs) | Finish time (secs) | Burning Duration (secs) | Burnt Distance (mm) | Burning Rate (mm/min) |
|---|---|---|---|---|---|
| 1 | -- | -- | -- | -- | -- |
| 2 | -- | -- | -- | -- | -- |
| 3 | -- | -- | -- | -- | -- |
| 4 | -- | -- | -- | -- | -- |
| 5 | -- | -- | -- | -- | -- |

*Burn rate limit: 100 mm/min*

5 samples of Non-isotropic Material in weft direction

| Sample No. | Start Time (secs) | Finish Time (secs) | Burning Duration (secs) | Burnt Distance (mm) | Burning Rate (mm/min) |
|---|---|---|---|---|---|
| 1 | -- | -- | -- | -- | -- |
| 2 | -- | -- | -- | -- | -- |
| 3 | -- | -- | -- | -- | -- |
| 4 | -- | -- | -- | -- | -- |
| 5 | -- | -- | -- | -- | -- |

*Burn rate limit: 100 mm/min*

No sample had a burn rate greater than 100 mm/min : Yes

**Melting Behaviour of Materials (Annex 7)**

| | | | |
|---|---|---|---|
| | This test is only applicable if the material is used for one of the following purposes: | : | Yes |
| *6.2.2. (a)* | - Material(s) and composite material(s) installed more than 500 mm above the seat cushion and on the ceiling of the vehicle. | | |
| *6.2.2. (b)* | - ~~Insulation material(s) installed in the engine compartment and any separate heating compartment.~~ | | |

**Strikethrough, as appropriate.*

*Note.1.Four samples, for both faces (if they are not identical) shall undergo the test.*

*Note.2. The result of the test shall be considered satisfactory if, taking the worst test results into account, no drop is formed which ignites the cotton wool.*

**Apparatus**

| | | | |
|---|---|---|---|
| *Ann 7, 2.1.* | Radiating surface of the electric radiator has a transparent quartz plate, with a diameter of 100 ± 5 mm. | : | Yes |
| *Ann 7, 2.1.* | Radiated heat, measured on a surface that is parallel to the surface of the radiator at a distance of 30 mm, is 30 W/cm². | : | Yes |
| *Ann 7, 2.2.* | For calibration of the radiator, a heat flux meter (radiometer) of the Gardon (foil) type, with a design range not exceeding 10 W/cm² is used. The target receiving radiation is flat, circular, ≤ 10 mm in diameter and coated with a durable matt black finish. | : | Yes |
| *Ann 7, 2.2.* | Target is contained within a water-cooled body, the front face of which is of highly polished metal, flat, coinciding with the plane of the target and circular, with a diameter of about 25 mm. | : | Yes |
| *Ann 7, 2.2.* | Radiation does not pass through any window before reaching the target. | : | Yes |
| *Ann 7, 2.2.* | Instrument is robust, simple to set up and use, insensitive to draughts, and stable in calibration. It has an accuracy of within ± 3 % and repeatability within 0.5 %. | : | Yes |

| | | | |
|---|---|---|---|
| *Ann 7, 2.2.* | Calibration of the heat flux meter is checked whenever a recalibration of the radiator is carried out, by comparison with an instrument held as a reference standard and not used for any other purpose. | : | Yes |
| *Ann 7, 2.2.* | Reference standard instrument is fully calibrated at yearly intervals, in accordance with the national standard. | : | Yes |
| *Ann 7, 2.2.1.* | Irradiance of the radiator checked at least once every 50 operating hours and is recalibrated if there is a deviation greater than 0.06 W/cm². | : | Yes |
| *Ann 7, 2.2.2.* | Apparatus is placed in an environment essentially free of air currents (≤ 0.2 m/s). | : | Yes |
| *Ann 7, 2.2.2.* | Heat flux meter is placed in the specimen position so that the target is located centrally within the radiator surface. | : | Yes |
| *Ann 7, 2.2.2.* | Power input of the controller required to produce irradiance at the centre of the radiator surface of 3 W/cm² has been established. | : | Yes |
| *Ann 7, 2.2.2.* | Adjustment to the power unit to record 3 W/cm² is followed by a 5 minute period without further adjustment. | : | Yes |
| *Ann 7, 2.3.* | Grill (made of stainless steel wire) on top of the support is placed with the following dimensions:<br>- Interior diameter: 118 mm;<br>- Dimension of the holes: 2.10 mm square;<br>- Diameter of steel wire: 0.70 mm | : | Yes |
| *Ann 7, 2.4.* | Receptacle consists of a cylindrical tube with an interior diameter of 118 mm and depth of 12 mm. It is filled with cotton wool. | : | Yes |
| *Ann 7, 2.5.* | Vertical column supports the items specified in 2.1, 2.3 and 2.4. | : | Yes |
| *Ann 7, 2.5.* | Radiator is placed on top of the support so that the radiating surface is horizontal and radiation is downwards. | : | Yes |
| *Ann 7, 2.5.* | Lever/pedal is provided with a catch to ensure that the radiator can be brought back in its normal position. | : | Yes |
| *Ann 7, 2.5.* | In their normal position, the axes of the radiator, support for the sample and the receptacle coincide. | : | Yes |
| | **Samples** | | |
| *Ann 7, 3.* | Sample measures 70 mm x 70 mm and the total mass is at least 2g. | : | Yes |
| *Ann 7, 3.* | Samples and cotton wool are conditioned for at least 24 hours at 23 °C ± 2 °C, and a relative humidity of 50 + 5 % is maintained until immediately prior to testing. | : | Yes |

| | | | | |
|---|---|---|---|---|
| *Ann 7, 3.1.* | The size and the mass of the sample | | : | Yes |
| | Length: | 70 mm | | |
| | Width: | 70 mm | | |
| | Thickness: | 6,45 mm | | |
| | Mass: | 19,5 g | | |
| | **Procedure** | | | |
| *Ann 7, 4.* | Distance between the radiator and the sample is 30 mm. | | : | Yes |
| *Ann 7, 4.* | Receptacle placed beneath the grill of the support at a distance of 300 mm. | | : | Yes |
| *Ann 7, 4.* | If the sample melts or deforms, the height of the radiator is modified to maintain the distance of 30 mm. | | : | Yes |
| *Ann 7, 4.* | If the material ignites in the first 5 minutes, the radiator is put aside after 3 seconds. It is brought back in position when the flame is extinguished (repeated, as required). | | : | Yes |
| *Ann 7, 4.* | After 5 minutes, if the sample has extinguished, the radiator is left in position for an additional 5 minutes. If the sample is burning, wait for extinguishing of the flame, remove radiator, and replace for an additional 5 minutes. | | : | Yes |
| | **Results** | | | |
| *Ann 7, 5.* | Observed results for 4 samples (decorative face): | | : | Yes |
| *Ann 7, 5.* | Sample did not produce any drops* | | | |
| | ~~Sample produced drops*~~ | | | |
| | ~~Drops formed were flaming*~~ | | | |
| | ~~Drops formed were not flaming*~~ | | | |
| | **Strikethrough, as appropriate.* | | | |
| *Ann 7, 5.* | Samples did not ignite the cotton wool. | | : | Yes |
| *Ann 7, 5.* | Observed results for 4 samples (backing face): | | : | N/A |
| *Ann 7, 5.* | Sample did not produce any drops* | | | |
| | Sample produced drops* | | | |
| | Drops formed were flaming* | | | |
| | Drops formed were not flaming* | | | |
| | **Strikethrough, as appropriate.* | | | |
| *Ann 7, 5.* | Samples did not ignite the cotton wool. | | : | N/A |

**Vertical Burning Rate of Materials (Annex 8)**

| | | | |
|---|---|---|---|
| | This test is only applicable if the material is used for one of the following: | : | Yes |
| *6.2.3. (a)* | - Material(s) and composite material(s) installed in a vertical position in the interior compartment, * | | |
| *6.2.3. (b)* | ~~- Insulation material(s) installed in a vertical position in the engine compartment and any separate heating compartment. *~~ | | |
| *6.2.7.* | ~~- Any cable sleeve or cable conduit exceeding a length of 100 mm*~~ | | |
| | **Strikethrough, as appropriate.* | | |
| | *Note. 1. "Material installed in a vertical position" means materials installed in the interior compartment, the engine compartment and any separate heating compartment of the vehicle such that its slope exceeds 15 per cent from the horizontal when the vehicle is at its mass in running order and it is standing on a smooth and horizontal ground surface.* | | |
| *Ann 8, 1.1.* | *Note. 2. Three samples shall undergo the test in the case of an isotropic material, or six samples in the case of a non-isotropic material.* | | |
| | *Note. 3. The result of the test shall be considered satisfactory if, taking the worst test results into account, the vertical burning rate is not more than 100 mm/minute or if the flame extinguishes before the destruction of one of the first marker threads occurred.* | | |
| | **Apparatus** | | |
| *Ann 8, 2.1.* | Sample holder consists of a rectangular frame, 560 mm high, and has two rigidly connected parallel rods spaced 150 mm apart on which pins are fitted for mounting the sample, which is located in a plane at least 20 mm from the frame. | : | Yes |
| *Ann 8, 2.1.* | Mounting pins are ≤ 2 mm in diameter and are at least 40 mm long. They are located on the parallel rods (see Figure 1). | : | Yes |
| *Ann 8, 2.1.* | Frame is fitted on to a suitable support to maintain the rods in a vertical position during testing.<br>*Note: For the purpose of locating the sample on the pins in a place away from the frame, spacer stubs 2 mm in diameter may be provided adjacent to the pins.* | : | Yes |
| *Ann 8, 2.1.* | To fix the sample in a vertical position, a support may be provided consisting of 0.25 mm diameter heat resistant wires that horizontally span the sample at 25 mm intervals along the complete height of the specimen holder. | : | Yes |
| *Ann 8, 2.1* | Alternatively, to fix the sample in a vertical position, the sample may be fixed by additional clamps to the specimen holder. | : | Yes |
| *Ann 8, 2.2.* | Gas supplied to the burner is either commercial propane or butane gas. | : | Yes |
| *Ann 8, 2.2.* | Burner is positioned as per Figure 2. Distance between the tip of the burner and the lower edge of the sample is 20 mm. | : | Yes |
| *Ann 8, 2.3.* | Test apparatus may be placed in a fume cupboard assembly with the size and shape of the fume cupboard shall be such that the test results are not affected. | : | Yes |

| | | | |
|---|---|---|---|
| *Ann 8, 2.3.* | Before the test, the vertical velocity of the air through the fume cupboard is measured 100 mm in front of and behind the final position where the apparatus is located. It is between 0.10 and 0.30 m/s.<br>*Note: It is possible to use a fume cupboard with natural ventilation and an appropriate air velocity.* | : | Yes |
| *Ann 8, 2.4.* | A flat rigid template made of suitable material and of a size corresponding to the size of the sample is used. Holes approximately 2 mm in diameter are drilled in the template as per Figure 1. The holes are equidistant about the vertical centrelines of the template. | : | Yes |
| | **Samples** | | |
| *Ann 8, 3.1.* | Sample dimensions are 560 x 170 mm. | : | Yes |
| *Ann 8, 3.1* | If the dimensions of material do not permit taking a sample of the given dimensions the test is carried out taking a sample having the dimensions of at least 380 mm in height and at least 3 mm in width. | : | N/A |
| *Ann 8, 3.1* | Cable sleeves and cable conduits: The sample dimensions are: length: 560 mm, but at least 380 mm | : | N/A |
| *Ann 8, 3.1* | Cable sleeves and cable conduits: if the dimensions of a material do not permit taking a sample of the given dimensions, in width, then the actual component dimension is to be tested | : | N/A |
| *Ann 8, 3.2.* | If the thickness of the sample is > 13 mm, it is reduced to 13 mm by a mechanical process applied to the side which does not face the respective compartment. | : | N/A |
| *Ann 8, 3.2.* | If it is impossible to reduce the thickness of the sample, the test is carried out in accordance with the technical service at the initial thickness of the material.<br>*Note: The initial thickness of the sample shall be mentioned.* | : | N/A |
| *Ann 8, 3.2.* | Composite materials are tested as if they are of uniform construction.<br>*Note: In the case of materials made of superimposed layers of different composition which are not composite materials, all the layers of material included within a depth of 13 mm from the surface facing towards the respective compartment shall be tested individually.* | : | Yes |
| *Ann 8, 3.3.* | Test Sample's sizes:<br>Length: 560 mm<br>Width: 170 mm<br>Thickness: 6,45 mm | : | Yes |
| *Ann 8, 3.3.* | Samples are conditioned for at least 24 hours at a temperature of 23 °C ± 2 °C, and a relative humidity of 50 ± 5 %. | : | Yes |

**Procedure**

| | | | |
|---|---|---|---|
| *Ann 8, 4.1.* | Test conducted in an atmosphere with a temperature between 10 °C and 30 °C and a relative humidity between 15 % and 80 %. | : | Yes |
| *Ann 8, 4.2.* | Burner preheated for 2 minutes and flame height adjusted to 40 ± 2 mm (measured as the distance between top of the burner tube and tip of the yellow part of the flame). | : | Yes |
| *Ann 8, 4.3.* | Sample placed on the pins of the test frame, vertically, and is at least 20 mm from the frame | : | Yes |
| *Ann 8, 4.4.* | The marker threads shall be attached horizontally in front of and behind the specimen at the locations shown in Figure 1. At each location, a loop of thread shall be mounted so that the two segments are spaced 1 mm and 5 mm from the front and rear face of the specimen. | : | Yes |
| *Ann 8, 4.4.* | Timing device attached to each loop and thread under tension. | : | Yes |

**Results**

Material type: Isotropic / ~~Non-isotropic~~*

*~~Strikethrough~~, as appropriate.*

*Note. 1. Three samples shall undergo the test in the case of an isotropic material, or six samples in the case of a non-isotropic material.*

1st Direction of burn: ~~Warp / Weft~~ / Not applicable*

*Ann 8, 4.5.*

~~Ignition occurred after 5 second application of flame to sample*~~
Ignition did not occur after 5 second application of flame to sample, so flame was applied to a new sample for 15 seconds*

*~~Strikethrough~~, as appropriate.*

*Note. 1. Ignition is deemed to have occurred if flaming of the specimen continues for 5 seconds after removal of the igniting flame*

*Ann 8, 4.7.*

| Sample No. | T1 Time from flame application to severance of marker 1 (secs) | T2 Time from flame application to severance of marker 2 (secs) | T3 Time from flame application to severance of marker 3 (secs) |
|---|---|---|---|
| 1 | 0 | 0 | 0 |
| 2 | 0 | 0 | 0 |
| 3 | 0 | 0 | 0 |

| Sample No. | D1 Burn distance 1 (mm) | D2 Burn distance 2 (mm) | D3 Burn distance 3 (mm) |
|---|---|---|---|
| 1 | 0 | 0 | 0 |
| 2 | 0 | 0 | 0 |
| 3 | 0 | 0 | 0 |

| Sample No. | V1 Burn Rate 1 (mm/min) | V2 Burn Rate 2 (mm/min) | V3 Burn rate 3 (mm/min) |
|---|---|---|---|
| 1 | 0 | 0 | 0 |
| 2 | 0 | 0 | 0 |
| 3 | 0 | 0 | 0 |

| | |
|---|---|
| Maximum burn rate: | 0 |
| Minimum burn rate: | 0 |
| Any burn rate > 1.5 x minimum burn rate: | N/A |

**Results**

Material type: ~~Non-isotropic~~ / Not applicable*

2nd Direction of burn: Warp / Weft *

*Ann 8, 4.5.*

Ignition occurred after 5 second application of flame to sample*
Ignition did not occur after 5 second application of flame to sample, so flame was applied to a new sample for 15 seconds*

** Strikethrough, as appropriate.*

*Note. 1. Ignition is deemed to have occurred if flaming of the specimen continues for 5 seconds after removal of the igniting flame.*

*Ann 8, 4.7.*

| Sample No. | T1 Time from flame application to severance of marker 1 (secs) | T2 Time from flame application to severance of marker 2 (secs) | T3 Time from flame application to severance of marker 3 (secs) |
|---|---|---|---|
| 1 | -- | -- | -- |
| 2 | -- | -- | -- |
| 3 | -- | -- | -- |

| Sample No. | D1 Burn distance 1 (mm) | D2 Burn distance 2 (mm) | D3 Burn distance 3 (mm) |
|---|---|---|---|
| 1 | -- | -- | -- |
| 2 | -- | -- | -- |
| 3 | -- | -- | -- |

| Sample No. | V1 Burn Rate 1 (mm/min) | V2 Burn Rate 2 (mm/min) | V3 Burn rate 3 (mm/min) |
|---|---|---|---|
| 1 | -- | -- | -- |
| 2 | -- | -- | -- |
| 3 | -- | -- | -- |

| | |
|---|---|
| Maximum burn rate: | -- |
| Minimum burn rate: | -- |
| Any burn rate > 1.5 x minimum burn rate: | -- |

*Ann 8, 4.6.*

- No sample in a set of three had a burn rate greater than 1.5 x the minimum burn rate result *
- ~~One or more samples in a set of three had a burn rate greater than 1.5 x the minimum burn rate result~~ *

**Strikethrough, as appropriate.*

*Note. If any result in any set of three samples exceeds the minimum burn rate result by 50 per cent, another set of three samples shall be tested for that direction*

*Ann 8, 4.6.*

- No samples in a set of three burnt to the top marker thread*
- ~~All samples in a set of three burnt to the top marker thread*~~
- ~~One sample in a set of three burnt to the top marker thread, but one or more other samples in the same set failed to burn to the top marker thread*~~

**Strikethrough, as appropriate.*

*Note. If one or two samples in any set of three samples fail to burn to the top marker thread, another set of three samples shall be tested for that direction*

No sample had a burn rate (V1, V2 or V3) greater than 100 mm/min : Yes

**Resistance to Fuel & Lubricant Absorption Annex 9:**

Not applicable

**The Resistance to Flame Propagation of Electrical Cables (Annex 10)**

Not applicable

## 2.3. Other information

| | | |
|---|---|---|
| Place of testing | : | GCS Test Laboratory, Bursa / Turkey |
| Date of testing | : | 16 September 2019 |
| GCS representative | : | İsmail Sertesen, Salih Özkoçak |
| Manufacturer's representative | : | No attendance |

## 2.4. Remarks

| | | |
|---|---|---|
| (1)-Measurement of uncertainty | : | Measurement of uncertainty is not included to the above test results. Please contact GCS TEST for measurement of uncertainty of this test method (If Applicable). |
| (2)-If any | : | None. |

## 3. Appendices

1. List of modifications

**4.** **Statement of conformity**

The type described with the information documents is in compliance with the Test Specification mentioned above.

The test results refer to exclusively to the provided test objects mentioned under item 1. of this report. Test object(s) were representative to the type approved. The report is no longer valid should any changes be made to the type.

The Test Report comprises pages 1 to 18.

The Test Report shall be reproduced and published in full only and by the client only. It shall be reproduced partially with the written permission of the Test Laboratory only.

**TEST LABORATORY**

**GCS TEST LTD (EOOD)**
designated by type approval authority of Kraftfahrt-Bundesamt,
Federal Republic of Germany

No: KBA-P 00103-18

| Signature: | Expert Signature: | Conformity Checked by: |
|---|---|---|
| Name: | İsmail Sertesen | Cem Türkmen |
| Position: | Type Approval Engineer | Type Approval Engineer |
| Date: | 24 September 2019 | |
| Place: | Sofia, BG. | |

**GCS TEST LTD (EOOD)**
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# Appendix 1

## List of modifications

**Appendix 1**

**More details for application of**

**Date : --**

| | | |
|---|---|---|
| Correction of | : | -- |
| Modification of | : | -- |
| Addition of | : | -- |
| Deletion of | : | -- |
| Reasons(s) of modifications (if required) | : | -- |

| | | | |
|---|---|---|---|
| ANIL ORMAN ÜRÜNLERİ | **Information Document No: ANIL2019001** | **Issue Date :** | **23.09.2019** |
| | **Regulation 118.03** | **Extension Date :** | **--** |
| | **ANIL_001** | **Extension Number :** | **00** |
| | | **Page :** | **1/1** |

**1. GENERAL**

| | | |
|---|---|---|
| 1.1. | Make (trade name of manufacturer): | ANIL KONTRPLAK |
| 1.2. | Type and general commercial descriptions: | ANIL_001 |
| 1.3. | Name and address of manufacturer: | ANIL ORMAN ÜRÜNLERİ SAN. VE DIŞ TİC. LTD. ŞTİ.<br>OSB 2.CAD NO:2 İNEGÖL/BURSA TURKEY |
| 1.4. | In the case of components and separate technical units, location and method of affixing of the approval mark: | NA |
| 1.5. | Adress(es) of assembly plant(s): | ANIL ORMAN ÜRÜNLERİ SAN. VE DIŞ TİC. LTD. ŞTİ.<br>OSB 2.CAD NO:2 İNEGÖL/BURSA TURKEY |

**2. INTERIOR MATERIALS**

| | | |
|---|---|---|
| 2.1. | Material(s) intended for ~~horizontal~~ / ~~vertical /~~ horizontal and vertical installation[1]<br>Material intended to be installed more than 500 mm above the seat cushion and/or in the roof of the vehicle: yes / ~~not applicable~~ | Interior Material |
| 2.2. | Base material(s)/designation: | 40 % BEECH, 60 % POPLAR |
| 2.3. | Composite/~~single material~~, number of layers: | 1.Layer: Beech: 1,5 mm<br>2.Layer: Poplar: 1,15 mm<br>3.Layer: Poplar: 1,15 mm<br>4.Layer: Poplar: 1,15 mm<br>5.Layer: Beech: 1,5 mm |
| 2.4. | Type of coating: | NA |
| 2.5. | Maximum/minimum thickness: | Min. 6,45 mm |
| 2.6. | Type-approval number, if available: | NA |

**3. INSULATION MATERIALS** **NA**

**4. ELECTRIC CABLES** **NA**