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| Document    | ISO Datasheet  |
| Description | PP MD 20   |
| Grade       | ISOFIL H 20 TP F HS  |
| Code        |  |
| Application | INTERIOR – PILLARS<br>UNDER THE HOOD – AIR<br>DUCTS/ ENGINE COVER/<br>HVAC |

20% Talc filled polypropylene homopolymer. Low emission. Compliant to VW44045-PP6. Heat stabilized.

| Properties                               | Method     | Unit              | Value     |
|--|------------|-------------------|-----------|
| <b>Physical</b>                          |            |                   |           |
| Melt flow rate (230°C - 2,16 Kg)         | ISO 1133   | g/10'             | 12        |
| Density at 23°C                          | ISO 1183   | g/cm <sup>3</sup> | 1,04      |
| Mould Shrinkage (%)                      | INTERNAL   | %                 | 0,9 – 1,1 |
| Filler Content (1h/600°C)                | ISO 3451-1 | %                 | 20        |
| <b>Thermal</b>                           |            |                   |           |
| Vicat B50                                | ISO 306    | °C                | 90        |
| HDT, A (1.80 MPa)                        | ISO 75/Ae  | °C                | 78        |
| <b>Mechanical at 23 °C</b>               |            |                   |           |
| Flexural Modulus (23°C - 2 mm/min)       | ISO 178    | MPa               | 2800      |
| Tensile stress at yield (23°C-50 mm/min) | ISO 527-2  | MPa               | 32        |
| Izod notched impact strength (23°C) ISO  | ISO 180/1A | KJ/m <sup>2</sup> | 3         |
| <b>Flammability Class</b>                |            |                   |           |
| Flammability class (1,6 mm)              | UL94       |                   | HB        |
| <b>Regulations compliance</b>            |            |                   |           |
| RoHS compliance status                   | COMPLIANT  |                   |           |
| EN71                                     |            |                   |           |
| UL listed file n°                        |            |                   |           |
| Water contact approvals                  |            |                   |           |
| Food contact status                      |            |                   |           |

<sup>§</sup> Moulding shrinkage is not an intrinsic property of plastics. It also depends on moulding parameters. The values reported have been calculated in the direction parallel to the flow in a 3.0 x 12.7 x 127 mm sample.

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