

SABIC[®] PPCOMPOUND 95610CSU10

PP COMPOUND MINERAL FILLED IMPACT MODIFIED

DESCRIPTION

SABIC[®] PPcompound 95610CSU10 is a mineral filled modified polypropylene. SABIC[®] PPcompound 95610CSU10 is a material with a high impact and stiffness. The material is part of the SABIC[®] PP CS systems and also available as a CS system: using a mixture of 80% SABIC[®] PP 95610 and 20% SABIC[®] PPcompound 20MBTFU yields similar properties as listed below.

SABIC[®] PPcompound 95610CSU10 is a designated automotive grade.

IMDS ID: 16485548

TYPICAL PROPERTY VALUES

| PROPERTIES | TYPICAL VALUES | UNITS | TEST METHODS |
|---|----------------|-------------------|--------------|
| POLYMER PROPERTIES | | | |
| Melt flow rate (MFR) | | | |
| at 230 °C and 2.16 kg | 5.4 | dg/min | ISO 1133 |
| Density ⁽¹⁾ | 961 | kg/m ³ | ISO 1183 |
| Filler content | 10 | % | SABIC method |
| Mould shrinkage ⁽²⁾ | | | |
| 24 hours after injection moulding | 1.2 | % | SABIC method |
| MECHANICAL PROPERTIES ⁽¹⁾ | | | |
| Tensile test | | | |
| Tensile modulus | 1050 | MPa | ISO 527/1A |
| stress at yield | 17 | MPa | ISO 527/1A |
| stress at break | 19 | MPa | ISO 527/1A |
| strain at break | 700 | % | ISO 527/1A |
| Flexural test | | | |
| Flexural modulus | 1100 | MPa | ISO 178/1A |
| Izod impact notched ⁽³⁾ | | | |
| at 23 °C | N.B. | kJ/m ² | ISO 180/1A |
| at 0 °C | N.B. | kJ/m ² | ISO 180/1A |
| at -20 °C | 10 | kJ/m ² | ISO 180/1A |
| THERMAL PROPERTIES ⁽¹⁾ | | | |
| Heat deflection temperature | | | |
| at 0.45 MPa (HDT/B) | 80 | °C | ISO 75 |
| Coeff. of linear thermal expansion | | | |
| 23 °C to 80 °C | 110 | µm/mK | ASTM D696 |
| -30 °C to 30 °C | - | µm/mK | ASTM D696 |

(1) Injection molded sample ISO527-1A

(2) Injection molded plaque 65x65x3.2mm

(3) N.B.: No Break





QUALITY

SABIC is fully certified in accordance with the internationally accepted quality standard ISO9001.

STORAGE AND HANDLING

Avoid prolonged storage in open sunlight, high temperatures (<50 °C) and/or high humidity as this could well speed up alteration and consequently loss of quality of the material and/or its packaging. Keep material completely dry for good processing.

DISCLAIMER

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