

SABIC® PPCOMPOUND 8760

PP COMPOUND MINERAL FILLED IMPACT MODIFIED

DESCRIPTION

SABIC® PPcompound 8760 is a development grade, elastomer-modified mineral filled Polypropylene for automotive exterior applications. This material has been designed to combine a good performance profile with good processing.

SABIC® PPcompound 8760 is a designated automotive grade.

IMDS ID: 1243681986

TYPICAL PROPERTY VALUES

Revision 20230727

| PROPERTIES | TYPICAL VALUES | UNITS | TEST METHODS |
|---|----------------|-------------------|--------------|
| POLYMER PROPERTIES | | | |
| Melt Flow Rate (MFR) | | | |
| At 230 °C and 2.16 kg | 13 | dg/min | ISO 1133 |
| Density ⁽¹⁾ | 1014 | kg/m ³ | ISO 1183 |
| Filler content | 16 | % | SABIC method |
| Mould shrinkage ⁽²⁾ | | | |
| 24 hours after injection moulding | 1.0 | % | SABIC method |
| MECHANICAL PROPERTIES ⁽¹⁾ | | | |
| Tensile test | | | |
| Tensile modulus | 1180 | MPa | ISO 527/1A |
| Stress at yield | 17 | MPa | ISO 527/1A |
| Stress at break | 12 | MPa | ISO 527/1A |
| Strain at break | 40 | % | ISO 527/1A |
| Flexural test | | | |
| Flexural modulus | 1510 | MPa | ISO 178/1A |
| Izod impact notched ⁽³⁾ | | | |
| At 23 °C | 47 | kJ/m ² | ISO 180/1A |
| At 0 °C | 34 | kJ/m ² | ISO 180/1A |
| At -20 °C | 12 | kJ/m ² | ISO 180/1A |
| THERMAL PROPERTIES ⁽¹⁾ | | | |
| Heat deflection temperature | | | |
| At 1.80 MPa (HDT/A) | 51 | °C | ISO 75 |
| At 0.45 MPa (HDT/B) | 86 | °C | ISO 75 |
| Coeff. of linear thermal expansion | | | |
| -30 °C to 100 °C | 97 | µm/mK | ISO 11359-2 |

(1) Injection molded sample ISO527-1A

(2) Injection molded plaque 65x65x3.2mm

(3) N.B.: No Break



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.

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