

SABIC® PPCOMPOUND G3225UX

PP SHORT GLASS FIBER REINFORCED

DESCRIPTION

SABIC®PPcompound G3225UX is a 25% short glass fiber reinforced Polypropylene for structural applications. It offers an excellent resistance to UV. The base material is a PP homopolymer. The glass fibres are chemically coupled to the PP matrix. It is developed for injection molded applications. This material has been designed to combine a good performance profile with good processing

TYPICAL PROPERTY VALUES

Revision 20230501

| PROPERTIES | TYPICAL VALUES | UNITS | TEST METHODS |
|---|----------------|--------|--------------|
| POLYMER PROPERTIES | | | |
| Melt Flow Rate (MFR) | | | |
| at 230 °C and 2.16 kg | 3 | dg/min | ISO 1133 |
| Density ⁽¹⁾ | 1090 | kg/m³ | ISO 1183 |
| Filler content | 25 | % | SABIC method |
| Mould shrinkage ⁽²⁾ | | | |
| 24 hours after injection moulding | 0.75 | % | SABIC method |
| MECHANICAL PROPERTIES ⁽¹⁾ | | | |
| Tensile test | | | |
| Tensile modulus | 6000 | MPa | ISO 527/1A |
| stress at break | 75 | MPa | ISO 527/1A |
| strain at break | 3 | % | ISO 527/1A |
| Flexural test | | | |
| Flexural modulus | 6300 | MPa | ISO 178/1A |
| Izod impact notched ⁽³⁾ | | | |
| at 23 °C | 7.5 | kJ/m² | ISO 180/1A |
| THERMAL PROPERTIES ⁽¹⁾ | | | |
| Heat deflection temperature | | | |
| at 1.80 MPa (HDT/A) | 145 | °C | ISO 75 |
| at 0.45 MPa (HDT/B) | 160 | °C | ISO 75 |
| Coeff. of linear thermal expansion | | | |
| -30 °C to 100 °C | 60 | 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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