

HAPSOFT™ S3620

PP SHORT GLASS FIBER REINFORCED

DESCRIPTION

HAPSOFT™ PPcompound (PPc) S3620 is a 20% short glass fiber reinforced polypropylene copolymer compound for injection moulding applications. The compound is UV stabilized and the glass fibers are chemically coupled to the PP matrix. This compound combines a matt surface, good sound dampening and excellent scratch resistance with soft-touch haptics and is especially designed to ensure the aesthetic quality of visible and touchable automotive interior applications. The grade is currently available in black and natural. All other colors are on request.

HAPSOFT™ PPc S3620 is a designated automotive grade.
IMDS ID: 679564115

TYPICAL PROPERTY VALUES

Revision 20211206

| PROPERTIES | TYPICAL VALUES | UNITS | TEST METHODS |
|---|----------------|--------|--------------|
| POLYMER PROPERTIES | | | |
| Melt Flow Rate (MFR) | | | |
| at 230 °C and 2.16 kg | 8 | dg/min | ISO 1133 |
| Density ⁽¹⁾ | 1040 | kg/m³ | ISO 1183 |
| Filler content | 20 | % | SABIC method |
| Mould shrinkage ⁽²⁾ | | | |
| 24 hours after injection moulding | 0.4 | % | SABIC method |
| MECHANICAL PROPERTIES ⁽¹⁾ | | | |
| Tensile | | | |
| Tensile modulus | 2600 | MPa | ISO 527/1A |
| stress at break | 35 | MPa | ISO 527/1A |
| strain at break | 7 | % | ISO 527/1A |
| Flexural test | | | |
| Flexural modulus | 2500 | MPa | ISO 178/1A |
| Izod impact notched ⁽³⁾ | | | |
| at 23 °C | 40 | kJ/m² | ISO 180/1A |
| THERMAL PROPERTIES ⁽¹⁾ | | | |
| Heat deflection temperature | | | |
| at 1.80 MPa (HDT/A) | 100 | °C | ISO 75 |
| Coeff. of linear thermal expansion | | | |
| -30 °C to 100 °C | 50 | µm/mK | ISO 11359-2 |

(1) Injection molded sample ISO527-1A

(2) Injection molded plaque 65x65x3.2mm

(3) N.B.: No Break

