SABIC® PPCOMPOUND S3620

PP SHORT GLASS FIBER REINFORCED

DESCRIPTION

SABIC® PPcompound 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 for aesthetical automotive interior applications. The grade is currently available in black and natural, other colors are on request.

SABIC® PPcompound S3620 is a designated automotive grade.

IMDS ID: 679564115

TYPICAL PROPERTY VALUES

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	33	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	38	kJ/m²	ISO 180/1A
THERMAL PROPERTIES (1)			
Heat deflection temperature			
at 1.80 MPa (HDT/A)	110	°C	ISO 75
at 0.45 MPa (HDT/B)	-	°C	ISO 75
Coeff. of linear thermal expansion			
23 °C to 80 °C	82	µm/mK	ASTM D696
-30 °C to 30 °C	81	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