SABIC® PPCOMPOUND 7632

PP COMPOUND MINERAL FILLED IMPACT MODIFIED

DESCRIPTION

SABIC® PPcompound 7632 is a mineral filled modified polypropylene. Typical material properties include a very high flow and an excellent balance between impact and stiffness with the added advantage of a low shrinkage and CLTE. Typical applications include large and complex automotive exterior parts such as bumpers.

SABIC® PPcompound 7632 is a designated automotive grade.

IMDS ID: 63606903

TYPICAL PROPERTY VALUES

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
POLYMER PROPERTIES			
Melt Flow Rate (MFR)			
at 230 °C and 2.16 kg	15	dg/min	ISO 1133
Density (1)	1000	kg/m³	ISO 1183
Filler content	15	%	SABIC method
Mould shrinkage (2)			
24 hours after injection moulding	0.85	%	SABIC method
MECHANICAL PROPERTIES (1)			
Tensile test			
Tensile modulus	1350	MPa	ISO 527/1A
stress at yield	19	MPa	ISO 527/1A
stress at break	17	MPa	ISO 527/1A
strain at break	200	%	ISO 527/1A
Flexural test			
Flexural modulus	1200	MPa	ISO 178/1A
Izod impact notched (3)			
at 23 °C	N.B.	kJ/m²	ISO 180/1A
at 0 °C	N.B.	kJ/m²	ISO 180/1A
at -20 °C	8	kJ/m²	ISO 180/1A
THERMAL PROPERTIES (1)			
Heat deflection temperature			
at 0.45 MPa (HDT/B)	95	°C	ISO 75
Coeff. of linear thermal expansion			
-30 °C to 100 °C	70	µm/mK	ISO 11359-2

(1) Injection molded sample ISO527-1A
(2) Injection molded plaque 65x65x3.2mm
(3) N.B.: No Break