SABIC® PPCOMPOUND 95610CS20

PP REACTOR ELASTOMER MODIFIED MINERAL FILLED

DESCRIPTION

SABIC® PP customized solution (CS) is a concept based on a reactor elastomer-modified PP combined with a talcum filled masterbatch mixed at the injection-molding machine. SABIC® PP CS offers a low cost customized solution. The SABIC® PP CS concept offers optimal flexibility by creating the possibility to correct dimensions, if needed, in a fast, reliable and accurate way without affecting material logistics. This properties table contains typical values for SABIC® PP CS systems with 40% talcum masterbatch resulting in a material with 20% talcum. The polymer used is SABIC® PP 95610 and the masterbatch is the SABIC® PP compound 20MBT.

IMDS ID: 16487435

TYPICAL PROPERTY VALUES

Revision 20180807

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
POLYMER PROPERTIES			
Melt Flow Rate (MFR)			
at 230 °C and 2.16 kg	4.8	dg/min	ISO 1133
Density (1)	1040	kg/m³	ISO 1183
Mould shrinkage (2)			
24 hours after injection moulding	0.9	%	SABIC method
MECHANICAL PROPERTIES (1)			
Tensile test			
Tensile modulus	1250	MPa	ISO 527/1A
stress at yield	17	MPa	ISO 527/1A
stress at break	18	MPa	ISO 527/1A
strain at break	600	%	ISO 527/1A
Flexural test			
Flexural modulus	1300	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	9	kJ/m²	ISO 180/1A
THERMAL PROPERTIES (1)			
Heat deflection temperature			
at 0.45 MPa (HDT/B)	90	°C	ISO 75
Coeff. of linear thermal expansion			
23 °C to 80 °C	90	µm/mK	ASTM D696
-30 °C to 30 °C	-	µm/mK	ASTM D696

(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.

+135-3858-6433 (GuangDong)
+188-1699-6168 (ShangHai)
+852-6957-5415 (HongKong)

DISCLAIMER