SABIC® PPCOMPOUND 95610CSU10

PP COMPOUND MINERAL FILLED IMPACT MODIFIED

DESCRIPTION

SABIC® PPcompound 95610CSU10 is a mineral filled modified polypropylene. SABIC® PPcompound 95610CSU10 is a material with a high impact and stiffness. The material is part of the SABIC® PP CS systems ans also available as a CS system: using a mixture of 80% SABIC® PP 95610 and 20% SABIC® PPcompound 20MBTFU yields similar properties as listed below.

SABIC®PPcompound 95610CSU10 is a designated automotive grade.

IMDS ID: 16485548

TYPICAL PROPERTY VALUES

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
POLYMER PROPERTIES			
Melt flow rate (MFR)			
at 230 °C and 2.16 kg	5.4	dg/min	ISO 1133
Density (1)	961	kg/m³	ISO 1183
Filler content	10	%	SABIC method
Mould shrinkage (2)			
24 hours after injection moulding	1.2	%	SABIC method
MECHANICAL PROPERTIES (1)			
Tensile test			
Tensile modulus	1050	MPa	ISO 527/1A
stress at yield	17	MPa	ISO 527/1A
stress at break	19	MPa	ISO 527/1A
strain at break	700	%	ISO 527/1A
Flexural test			
Flexural modulus	1100	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	10	kJ/m²	ISO 180/1A
THERMAL PROPERTIES (1)			
Heat deflection temperature			
at 0.45 MPa (HDT/B)	80	°C	ISO 75
Coeff. of linear thermal expansion			
23 °C to 80 °C	110	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