SABIC® PPCOMPOUND 9130

PP ELASTOMER MODIFIED MF
REGION AMERICAS

DESCRIPTION

SABIC® PPcompound 9130 is a mineral filled modified polypropylene. This material combines high scratch resistance, high stiffness, good impact and high flow. This material has a very broad processing window combined with good esthical performance. Typical applications include esthetical automotive interior parts such as instrument panels, lower and upper dashboard, door panels and trim.

SABIC® PPcompound 9130 is a designated automotive grade.

IMDS ID: 104069185

TYPICAL PROPERTY VALUES

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
POLYMER PROPERTIES			
Melt Flow Rate (MFR)			
at 230 °C and 2.16 kg	20	dg/min	ISO 1133
Density (1)	1020	kg/m³	ISO 1183
Filler content	17	%	SABIC method
Mould shrinkage (2)			
24 hours after injection moulding	0.6	%	SABIC method
MECHANICAL PROPERTIES (1)			
Tensile test			
stress at yield	24	MPa	ISO 527/1A
stress at break	17	MPa	ISO 527/1A
strain at break	30	%	ISO 527/1A
Flexural test			
Flexural modulus	1700	MPa	ISO 178/1A
Izod impact notched (3)			
at 23 °C	11	kJ/m²	ISO 180/1A
at 0 °C	5.5	kJ/m²	ISO 180/1A
at -20 °C	-	kJ/m²	ISO 180/1A
THERMAL PROPERTIES (1)			
Heat deflection temperature			
at 1.80 MPa (HDT/A)	-	°C	ISO 75
at 0.45 MPa (HDT/B)	-	°C	ISO 75
Coeff. of linear thermal expansion			
-30 °C to 100 °C	-	µm/mK	ISO 11359-2

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