

SABIC® PPCOMPOUND 9190

PP COMPOUND MF IMPACT MODIFIED

DESCRIPTION

SABIC® PPcompound 9190 is an elastomer-modified mineral filled Polypropylene for automotive interior applications. This material has been designed to combine excellent processing with high stiffness.

SABIC® PPcompound 9190 is a designated automotive grade.

IMDS ID: 519412259

TYPICAL PROPERTY VALUES

Revision 20231128

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
POLYMER PROPERTIES			
Filler content	12	%	SABIC method
Melt Flow Rate (MFR)			
at 230 °C and 2.16 kg	24	dg/min	ISO 1133
Density ⁽¹⁾	990	kg/m³	ISO 1183
Mould shrinkage ⁽²⁾			
24 hours after injection moulding	1.1	%	SABIC method
MECHANICAL PROPERTIES ⁽¹⁾			
Tensile test			
stress at yield	25.6	MPa	ISO 527/1A
stress at break	20	MPa	ISO 527/1A
strain at break	12	%	ISO 527/1A
Flexural test			
Flexural modulus	2050	MPa	ISO 178/1A
Izod impact notched ⁽³⁾			
at 23 °C	7	kJ/m²	ISO 180/1A
at 0 °C	5	kJ/m²	ISO 180/1A
at -20 °C	3	kJ/m²	ISO 180/1A
THERMAL PROPERTIES ⁽¹⁾			
Heat deflection temperature			
at 0.45 MPa (HDT/B)	115	°C	ISO 75/B
Coeff. of linear thermal expansion			
-30 °C to 100 °C	75	µm/mK	ISO 11359-2

(1) Injection molded sample ISO527-1A

(2) Injection molded plaque 65x65x3.2mm

(3) $N R \cdot N n \text{ Break}$



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