

SABIC® PPCOMPOUND 7451

PP COMPOUND MINERAL FILLED IMPACT MODIFIED

DESCRIPTION

SABIC® PPcompound 7451 is a development grade, elastomer-modified mineral filled Polypropylene for automotive exterior applications. This material has been designed to combine a good performance profile with good processing.

SABIC® PPcompound 7451 is a designated automotive grade.

IMDS ID: 11092014

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⁾	960	kg/m ³	ISO 1183
Filler content	11.5	%	SABIC method
Mould shrinkage ⁽²⁾			
24 hours after injection moulding	0.9	%	SABIC method
MECHANICAL PROPERTIES ⁽¹⁾			
Tensile			
Tensile modulus	1350	MPa	ISO 527/1A
stress at yield	17	MPa	ISO 527/1A
stress at break	12	MPa	ISO 527/1A
strain at break	>50	%	ISO 527/1A
Flexural test			
Flexural modulus	1400	MPa	ISO 178/1A
Izod impact notched ⁽³⁾			
at 23 °C	45	kJ/m ²	ISO 180/1A
at 0 °C	25	kJ/m ²	ISO 180/1A
at -20 °C	6	kJ/m ²	ISO 180/1A
THERMAL PROPERTIES ⁽¹⁾			
Heat deflection temperature			
at 0.45 MPa (HDT/B)	-	°C	ISO 75

(1) Injection molded sample ISO527-1A

(2) Injection molded plaque 65x65x3.2mm

(3) N.B.: No Break

