



SABIC® PPCOMPOUND 5455

PP COMPOUND MINERAL FILLED IMPACT MODIFIED

DESCRIPTION

SABIC® PPcompound 5455 is a high impact, low temperature ductile PPcompound for injection molding.

SABIC® PPcompound 5455 is a designated automotive grade.

IMDS ID: 960585831

TYPICAL PROPERTY VALUES

Revision 20211206

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
POLYMER PROPERTIES			
Melt Flow Rate (MFR)			
at 230 °C and 2.16 kg	24	dg/min	ISO 1133
Density ⁽¹⁾	930	kg/m³	ISO 1183
Filler content	5	%	SABIC method
MECHANICAL PROPERTIES ⁽¹⁾			
Tensile test			
Tensile modulus	1110	MPa	ISO 527/1A
stress at yield	18	MPa	ISO 527/1A
strain at break	115	%	ISO 527/1A
Flexural test			
Flexural modulus	1200	MPa	ISO 178/1A
Izod impact notched ⁽²⁾			
at 23 °C	24	kJ/m²	ISO 180/1A
at -40 °C	5.0	kJ/m²	ISO 180/1A
THERMAL PROPERTIES ⁽¹⁾			
Heat deflection temperature			
at 1.80 MPa (HDT/A)	55	°C	ISO 75
at 0.45 MPa (HDT/B)	90	°C	ISO 75

(1) Injection molded sample ISO527-1A

(2) 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.

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