

SABIC® PPCOMPOUND 2500/4

PP COMPOUND MINERAL FILLED IMPACT MODIFIED

DESCRIPTION

SABIC® PPcompound 2500/4 is a mineral filled modified polypropylene. Typical material properties include high flow, very high impact, good stiffness, low shrinkage and CLTE. Typical applications of this grade are in automotive exterior such as automotive bumpers. It can be used in painted and unpainted applications with UV stabilization added on demand.

SABIC® PPcompound 2500/4 is a designated automotive grade.

IMDS ID: 16485974

TYPICAL PROPERTY VALUES

Revision 20230615

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
POLYMER PROPERTIES			
Melt Flow Rate (MFR)			
at 230 °C and 2.16 kg	13	dg/min	ISO 1133
Density ⁽¹⁾	960	kg/m³	ISO 1183
Filler content	10	%	SABIC method
Mould shrinkage ⁽²⁾			
24 hours after injection moulding	0.7	%	SABIC method
MECHANICAL PROPERTIES ⁽¹⁾			
Tensile			
Tensile modulus	1050	MPa	ISO 527/1A
stress at yield	20	MPa	ISO 527/1A
stress at break	21	MPa	ISO 527/1A
strain at break	>500	%	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	N.B.	kJ/m²	ISO 180/1A
THERMAL PROPERTIES ⁽¹⁾			
Heat deflection temperature			
at 0.45 MPa (HDT/B)	90	°C	ISO 75
Coeff. of linear thermal expansion			
-30 °C to 100 °C	70	µm/mK	ISO 11359-2

(1) Injection molded sample ISO527-1A

(2) Injection molded plaque 65x65x3.2mm

(3) 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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