

SABIC® PPCOMPOUND 2500/2

PP ELASTOMER MODIFIED MF

DESCRIPTION

SABIC® PPcompound 2500/2 is a talc-filled elastomer modified grade with a good stiffness, impact resistance and surface quality. The material properties make it suited for non-painted bumper parts or partially painted bumpers.

SABIC® PPcompound 2500/2 is a designated automotive grade.

IMDS ID: 16486301

TYPICAL PROPERTY VALUES

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
POLYMER PROPERTIES			
Melt Flow Rate			
at 230 °C and 2.16 kg	9	dg/min	ISO 1133
Density ⁽¹⁾	960	kg/m ³	ISO 1183
Mould shrinkage ⁽²⁾			
24 hours after injection moulding	0.9	%	SABIC method
MECHANICAL PROPERTIES ⁽¹⁾			
Tensile test			
stress at yield	16	MPa	ISO 527/1A
stress at break	12	MPa	ISO 527/1A
strain at break	150	%	ISO 527/1A
Flexural test			
Flexural modulus	1000	MPa	ISO 178/1A
Izod impact notched ⁽³⁾			
at 23 °C	N.B.	kJ/m ²	ISO 180/1A
at 0 °C	N.B.	kJ/m ²	ISO 180/1A
at -20 °C	12	kJ/m ²	ISO 180/1A
THERMAL PROPERTIES ⁽¹⁾			
Heat deflection temperature			
at 0.45 MPa (HDT/B)	85	°C	ISO 75/B
Coeff. of linear thermal expansion			
-30 °C to 100 °C	85	µm/mK	ISO 11359-2

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

QUALITY

SABIC is fully certified in accordance with the internationally accepted quality standard ISO 9001.

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.