

SABIC[®] PPCOMPOUND 2550/4

PP COMPOUND MF IMPACT MODIFIED

DESCRIPTION

SABIC[®] PPcompound 2550/4 is a mineral filled modified polypropylene. Typical material properties include good flow, high impact, good stiffness, low gloss and low CLTE. Typical application of this material includes automotive exterior parts such as trims and bumpers with large unpainted areas. It can be used in painted and unpainted applications with UV stabilization added on demand.

SABIC[®] PPcompound 2550/4 is a designated automotive grade.

IMDS ID: 16485341

TYPICAL PROPERTY VALUES

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/m ³	ISO 1183
Filler content	10	%	SABIC method
Mould shrinkage ⁽²⁾			
24 hours after injection moulding	0.9	%	SABIC method
MECHANICAL PROPERTIES ⁽¹⁾			
Tensile test			
Tensile modulus	1100	MPa	ISO 527/1A
stress at yield	16	MPa	ISO 527/1A
stress at break	13	MPa	ISO 527/1A
strain at break	100	%	ISO 527/1A
Flexural test			
Flexural modulus	1100	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	N.B.	kJ/m ²	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	80	µm/mK	ISO 11359-2

(1) Injection molded sample ISO527-1A

(2) Injection molded plaque 65x65x3.2mm

(3) N.B.: No Break

