

# SABIC<sup>®</sup> PPCOMPOUND 2550/4

PP COMPOUND MF IMPACT MODIFIED

## DESCRIPTION

SABIC<sup>®</sup> 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<sup>®</sup> PPcompound 2550/4 is a designated automotive grade.

IMDS ID: 16485341

## TYPICAL PROPERTY VALUES

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
<b>POLYMER PROPERTIES</b>			
<b>Melt flow rate (MFR)</b>			
at 230 °C and 2.16 kg	13	dg/min	ISO 1133
<b>Density <sup>(1)</sup></b>	960	kg/m <sup>3</sup>	ISO 1183
<b>Filler content</b>	10	%	SABIC method
<b>Mould shrinkage <sup>(2)</sup></b>			
24 hours after injection moulding	0.9	%	SABIC method
<b>MECHANICAL PROPERTIES <sup>(1)</sup></b>			
<b>Tensile test</b>			
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
<b>Flexural test</b>			
Flexural modulus	1100	MPa	ISO 178/1A
<b>Izod impact notched <sup>(3)</sup></b>			
at 23 °C	N.B.	kJ/m <sup>2</sup>	ISO 180/1A
at 0 °C	N.B.	kJ/m <sup>2</sup>	ISO 180/1A
at -20 °C	N.B.	kJ/m <sup>2</sup>	ISO 180/1A
<b>THERMAL PROPERTIES <sup>(1)</sup></b>			
<b>Heat deflection temperature</b>			
at 0.45 MPa (HDT/B)	90	°C	ISO 75
<b>Coeff. of linear thermal expansion</b>			
-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

## QUALITY

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