

# SABIC<sup>®</sup> PPCOMPOUND 2500/4

PP COMPOUND MINERAL FILLED IMPACT MODIFIED

## DESCRIPTION

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

IMDS ID: 16485974

## 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	0.7	%	SABIC method
<b>MECHANICAL PROPERTIES <sup>(1)</sup></b>			
<b>Tensile</b>			
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
<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	70	µm/mK	ISO 11359-2

(1) Injection molded sample ISO527-1A

(2) Injection molded plaque 65x65x3.2mm

(3) N.B.: No Break

