



# SABIC<sup>®</sup> PPCOMPOUND 7693

PP COMPOUND MINERAL FILLED IMPACT MODIFIED

## DESCRIPTION

SABIC<sup>®</sup> PPcompound 7693 is a very high flow mineral filled modified polypropylene. Material properties include very high flow, high stiffness and a good impact resistance. Typical applications include automotive exterior parts such as bumpers, bumper strips and exterior trim. It can be used in painted and unpainted applications with UV stabilization added on demand.

SABIC<sup>®</sup> PPcompound 7693 is a designated automotive grade.

IMDS ID: 70133104

## 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	30	dg/min	ISO 1133
<b>Density <sup>(1)</sup></b>	1010	kg/m <sup>3</sup>	ISO 1183
<b>Filler content</b>	15	%	SABIC method
<b>Mould shrinkage <sup>(2)</sup></b>			
24 hours after injection moulding	0.8	%	SABIC method
<b>MECHANICAL PROPERTIES <sup>(1)</sup></b>			
<b>Tensile test</b>			
Tensile modulus	1450	MPa	ISO 527/1A
stress at yield	22	MPa	ISO 527/1A
stress at break	16	MPa	ISO 527/1A
strain at break	150	%	ISO 527/1A
<b>Flexural test</b>			
Flexural modulus	1400	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	10	kJ/m <sup>2</sup>	ISO 180/1A
at -20 °C	6	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)	110	°C	ISO 75
<b>Coeff. of linear thermal expansion</b>			
-30 °C to 100 °C	75	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 ISO9001.