

SABIC® PPCOMPOUND 7693

PP COMPOUND MINERAL FILLED IMPACT MODIFIED

DESCRIPTION

SABIC® 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® PPcompound 7693 is a designated automotive grade.

IMDS ID: 70133104

TYPICAL PROPERTY VALUES

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
POLYMER PROPERTIES			
Melt Flow Rate (MFR)			
at 230 °C and 2.16 kg	30	dg/min	ISO 1133
Density ⁽¹⁾	1010	kg/m³	ISO 1183
Filler content	15	%	SABIC method
Mould shrinkage ⁽²⁾			
24 hours after injection moulding	0.8	%	SABIC method
MECHANICAL PROPERTIES ⁽¹⁾			
Tensile test			
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
Flexural test			
Flexural modulus	1400	MPa	ISO 178/1A
Izod impact notched ⁽³⁾			
at 23 °C	N.B.	kJ/m²	ISO 180/1A
at 0 °C	10	kJ/m²	ISO 180/1A
at -20 °C	6	kJ/m²	ISO 180/1A
THERMAL PROPERTIES ⁽¹⁾			
Heat deflection temperature			
at 0.45 MPa (HDT/B)	110	°C	ISO 75
Coeff. of linear thermal expansion			
-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

