

SABIC® PPCOMPOUND 7530

PP COMPOUND MINERAL FILLED IMPACT MODIFIED

DESCRIPTION

SABIC® PPcompound 7530 is a mineral filled modified polypropylene. This material combines good flow with a high impact and stiffness level, and a low shrinkage and CLTE. Typical applications include automotive exterior parts such as large thin wall zero gap bumper designs but also lateral siding and bumper strips. It can be used in painted and unpainted applications with UV stabilization added on demand.

SABIC® PPcompound 7530 is a designated automotive grade.

IMDS ID: 16486752

TYPICAL PROPERTY VALUES

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
POLYMER PROPERTIES			
Melt Flow Rate (MFR)			
at 230 °C and 2.16 kg	15	dg/min	ISO 1133
Density ⁽¹⁾	1020	kg/m³	ISO 1183
Filler content	20	%	SABIC method
Mould shrinkage ⁽²⁾			
24 hours after injection moulding	0.65	%	SABIC method
MECHANICAL PROPERTIES ⁽¹⁾			
Tensile test			
Tensile modulus	1350	MPa	ISO 527/1A
stress at yield	18	MPa	ISO 527/1A
stress at break	17	MPa	ISO 527/1A
strain at break	600	%	ISO 527/1A
Flexural test			
Flexural modulus	1250	MPa	ISO 178/1A
Izod impact notched ⁽³⁾			
at 23 °C	N.B.	kJ/m²	ISO 180/1A
at 0 °C	N.B.	kJ/m²	ISO 180/1A
at -20 °C	25	kJ/m²	ISO 180/1A
THERMAL PROPERTIES ⁽¹⁾			
Heat deflection temperature			
at 0.45 MPa (HDT/B)	100	°C	ISO 75
Coeff. of linear thermal expansion			
-30 °C to 100 °C	58	µm/mK	ISO 11359-2

(1) Injection molded sample ISO527-1A

(2) Injection molded plaque 65x65x3.2mm

(3) N.B.: No Break

