



SABIC® PPCOMPOUND 6504

PP COMPOUND MF IMPACT MODIFIED
REGION EUROPE

DESCRIPTION

SABIC® PPcompound 6504 is a mineral filled modified polypropylene. Material properties include high flow, very high impact, good stiffness and low shrinkage/CLTE. Typical applications include automotive exterior parts such as trims and bumpers. It can be used in painted and unpainted applications with UV stabilization added on demand.

SABIC® PPcompound 6504 is a designated automotive grade.

IMDS ID: 16485380

TYPICAL PROPERTY VALUES

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
POLYMER PROPERTIES			
Melt flow rate (MFR)			
at 230 °C and 2.16 kg	18	dg/min	ISO 1133
Density ⁽¹⁾	970	kg/m ³	ISO 1183
Mould shrinkage ⁽²⁾			
24 hours after injection moulding	0.9	%	SABIC method
MECHANICAL PROPERTIES ⁽¹⁾			
Tensile test			
stress at yield	16	MPa	ISO 527/1A
stress at break	11	MPa	ISO 527/1A
strain at break	150	%	ISO 527/1A
Flexural test			
Flexural modulus	950	MPa	ISO 178/1A
Izod impact notched ⁽³⁾			
at 23 °C	N.B.	kJ/m ²	ISO 180/1A
at 0 °C	N.B.	kJ/m ²	ISO 180/1A
at -20 °C	12	kJ/m ²	ISO 180/1A
THERMAL PROPERTIES ⁽¹⁾			
Heat deflection temperature			
at 0.45 MPa (HDT/B)	80	°C	ISO 75
Coeff. of linear thermal expansion			
-30 °C to 100 °C	85	µm/mK	ISO 11359-2