

SABIC[®] PPCOMPOUND 8750U

PP COMPOUND MINERAL FILLED IMPACT MODIFIED

DESCRIPTION

SABIC[®] PPcompound 8750U is an elastomer-modified mineral filled Polypropylene for unpainted automotive exterior applications. The grade is UV stabilized and has been designed to combine a good performance profile with good processing.

SABIC[®] PPcompound 8750U is a designated automotive grade.

IMDS ID: 445154355

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⁾	1010	kg/m ³	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	1550	MPa	ISO 527/1A
stress at yield	20	MPa	ISO 527/1A
stress at break	13.5	MPa	ISO 527/1A
strain at break	80	%	ISO 527/1A
Flexural test			
Flexural modulus	1750	MPa	ISO 178/1A
Izod impact notched ⁽³⁾			
at 23 °C	50	kJ/m ²	ISO 180/1A
at 0 °C	20	kJ/m ²	ISO 180/1A
at -20 °C	7	kJ/m ²	ISO 180/1A
THERMAL PROPERTIES ⁽¹⁾			
Heat deflection temperature			
at 0.45 MPa (HDT/B)	105	°C	ISO 75
Coeff. of linear thermal expansion			
-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

QUALITY

SABIC is fully certified in accordance with the internationally accepted quality standard ISO9001.