

SABIC® PPCOMPOUND 8578U

PP COMPOUND MINERAL FILLED IMPACT MODIFIED

DESCRIPTION

SABIC® PPcompound 8578U is an elastomer-modified mineral filled Polypropylene. This material shows good balance of processing and excellent performance profile. The grade is UV stabilized and has very good impact performance at low temperature. The material suited for use in large exterior unpainted applications.

SABIC® PPcompound 8578U is a designated automotive grade.

IMDS ID: 1052498885

TYPICAL PROPERTY VALUES

Revision 20210831

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
POLYMER PROPERTIES			
Melt Flow Rate (MFR)			
At 230 °C and 2.16 kg	23	dg/min	ISO 1133
Density ⁽¹⁾	980	kg/m³	ISO 1183
Filler content	12	%	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 break	13	MPa	ISO 527/1A
Strain at break	65	%	ISO 527/1A
Flexural test			
Flexural modulus	1500	MPa	ISO 178/1A
Izod impact notched ⁽³⁾			
At 0 °C	NB	kJ/m²	ISO 180/1A
At -20 °C	9	kJ/m²	ISO 180/1A
THERMAL PROPERTIES ⁽¹⁾			
Heat deflection temperature			
At 1.80 MPa (HDT/A)	52	°C	ISO 75
At 0.45 MPa (HDT/B)	95	°C	ISO 75
Coeff. of linear thermal expansion			
-30 °C to 100 °C	90	µm/mK	ISO 11359-2

(1) Injection molded sample ISO527-1A

(2) Injection molded plaque 65x65x3.2mm

(3) N.B.: No Break

STORAGE AND HANDLING

Avoid prolonged storage in open sunlight, high temperatures (<50 °C) and/or high humidity as this could well speed up alteration and consequently loss of quality of the material and/or its packaging. Keep material completely dry for good processing.





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