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SABIC® PPCOMPOUND 8578

PP COMPOUND MINERAL FILLED IMPACT MODIFIED

DESCRIPTION

SABIC® PPcompound 8578 is an elastomer-modified mineral filled Polypropylene.
This material shows good balance of processing and excellent performance profile. The low temperature impact performance makes the material suited for use in large exterior applications.

SABIC® PPcompound 8578 is a designated automotive grade.

IMDS ID: 1008647898

TYPICAL PROPERTY VALUES

Revision 20211206

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
POLYMER PROPERTIES			
Melt Flow Rate (MFR)			
at 230 °C and 2.16 kg	20	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 yield	17	MPa	ISO 527/1A
stress at break	15	MPa	ISO 527/1A
strain at break	80	%	ISO 527/1A
Flexural test			
Flexural modulus	1550	MPa	ISO 178/1A
Izod impact notched (3)			
at 23°C	NB	kJ/m²	ISO 180/1A
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 0.45 MPa (HDT/B)	100	°C	ISO 75
at 1.8 MPa (HDT/A)	54	°C	ISO 75

(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.

CHEMISTRY THAT MATTERS™

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