

# 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

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
<b>POLYMER PROPERTIES</b>			
<b>Melt Flow Rate (MFR)</b>			
at 230 °C and 2.16 kg	20	dg/min	ISO 1133
<b>Density</b> <sup>(1)</sup>	980	kg/m³	ISO 1183
<b>Filler content</b>	12	%	SABIC method
<b>Mould shrinkage</b> <sup>(2)</sup>			
24 hours after injection moulding	0.8	%	SABIC method
<b>MECHANICAL PROPERTIES</b> <sup>(1)</sup>			
<b>Tensile test</b>			
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
<b>Flexural test</b>			
Flexural modulus	1550	MPa	ISO 178/1A
<b>Izod impact notched</b> <sup>(3)</sup>			
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
<b>THERMAL PROPERTIES</b> <sup>(1)</sup>			
<b>Heat deflection temperature</b>			
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

