

# 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

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
<b>POLYMER PROPERTIES</b>			
<b>Melt Flow Rate (MFR)</b>			
At 230 °C and 2.16 kg	23	dg/min	ISO 1133
<b>Density <sup>(1)</sup></b>	980	kg/m³	ISO 1183
<b>Filler content</b>	12	%	SABIC method
<b>Mould shrinkage <sup>(2)</sup></b>			
24 hours after injection moulding	0.8	%	SABIC method
<b>MECHANICAL PROPERTIES <sup>(1)</sup></b>			
<b>Tensile test</b>			
Tensile modulus	1450	MPa	ISO 527/1A
Stress at break	13	MPa	ISO 527/1A
Strain at break	65	%	ISO 527/1A
<b>Flexural test</b>			
Flexural modulus	1500	MPa	ISO 178/1A
<b>Izod impact notched <sup>(3)</sup></b>			
At 0 °C	NB	kJ/m²	ISO 180/1A
At -20 °C	9	kJ/m²	ISO 180/1A
<b>THERMAL PROPERTIES <sup>(1)</sup></b>			
<b>Heat deflection temperature</b>			
At 1.80 MPa (HDT/A)	52	°C	ISO 75
At 0.45 MPa (HDT/B)	95	°C	ISO 75
<b>Coeff. of linear thermal expansion</b>			
-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

