



# SABIC® PPCOMPOUND H1 130

FLAME RETARDANT GLASS FIBER REINFORCED POLYPROPYLENE

## DESCRIPTION

SABIC® PPcompound H1 130 is a high flow, halogen free flame retardant, copolymer with 30% glass fiber, developed for electrical & electronic injection molded applications. This material has been designed to combine a good performance profile with good processing.

IMDS ID: 881333679

UL Yellow Card: E111275

## TYPICAL PROPERTY VALUES

Revision 20230801

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
<b>POLYMER PROPERTIES</b>			
<b>Melt Flow Rate (MFR)</b>			
at 230 °C and 2.16 kg	7.5	dg/min	ISO 1133
<b>Density</b> <sup>(1)</sup>	1200	kg/m <sup>3</sup>	ISO 1183
<b>Filler content</b>	30	%	SABIC method
<b>Mould shrinkage</b> <sup>(2)</sup>			
24 hours after injection moulding	0.7	%	SABIC method
<b>MECHANICAL PROPERTIES</b> <sup>(1) (3)</sup>			
<b>Tensile</b>			
Tensile modulus	7300	MPa	ISO 527/1A
stress at yield	75	MPa	ISO 527/1A
stress at break	73	MPa	ISO 527/1A
strain at break	3.1	%	ISO 527/1A
<b>Flexural test</b>			
Flexural modulus	7600	MPa	ISO 178/1A
<b>Izod impact notched</b> <sup>(1) (3)</sup>			
at 23 °C	9.9	kJ/m <sup>2</sup>	ISO 180/1A
<b>THERMAL PROPERTIES</b>			
<b>Heat deflection temperature</b>			
at 1.8 MPa (HDT/A) <sup>(1)</sup>	144	°C	ISO 75
at 0.45 MPa (HDT/B) <sup>(1)</sup>	158	°C	ISO 75
<b>Coeff. of linear thermal expansion</b>			
-30 °C to 100°C	48.5	µm/mK	ISO 11359-2
<b>FLAMMABILITY PROPERTIES</b>			
<b>Comparative Tracking Index</b>			
	600	V	IEC 60112
<b>UL94</b>			
Lowest thickness for V0	1.7	mm	UL 94
<b>GWFI</b>			
at 1.6 mm	960	°C	IEC 60695-2-13
<b>CWIT</b>			
at 0.8 mm	800	°C	IEC 60695-2-13



- (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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