

# SABIC® PPCOMPOUND H1300

FLAME RETARDANT POLYPROPYLENE

## DESCRIPTION

SABIC® PPcompound H1300 is a halogen free flame retardant, non-filled Polypropylene compounds. It has a UL94 V0@ 0.8mm flame rating. This material has been designed to combine a good performance profile with good processing and FR characteristics.

IMDS ID:1177797571

UL Yellow Card: E140737

## 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	13	dg/min	ISO 1133
<b>Density</b> <sup>(1)</sup>	1022	kg/m³	ISO 1183
<b>Filler content</b>	0	%	SABIC method
<b>Mould shrinkage</b> <sup>(2)</sup>			
24 hours after injection moulding	1.2	%	SABIC method
<b>MECHANICAL PROPERTIES</b> <sup>(1) (3)</sup>			
<b>Tensile</b>			
Tensile modulus	1680	MPa	ISO 527/1A
stress at yield	17	MPa	ISO 527/1A
stress at break	14	MPa	ISO 527/1A
strain at break	50	%	ISO 527/1A
<b>Flexural test</b>			
Flexural modulus	1650	MPa	ISO 178/1A
<b>Izod impact notched</b> <sup>(1) (3)</sup>			
at 23 °C	5	kJ/m²	ISO 180/1A
at 0 °C	3	kJ/m²	ISO 180/1A
at -20 °C	2	kJ/m²	ISO 180/1A
<b>THERMAL PROPERTIES</b>			
<b>Heat deflection temperature</b>			
at 1.8 MPa (HDT/A) <sup>(1)</sup>	100	°C	ISO 75
at 0.45 MPa (HDT/B) <sup>(1)</sup>	60	°C	ISO 75
<b>Coeff. of linear thermal expansion</b>			
-30 °C to 100°C		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	0.8	mm	UL 94

(1) Injection molded sample ISO527-1A

(2) Injection molded plaque 65x65x3.2mm

(3) N.B.: No Break

