



SABIC® PPcompound H1025
Mineral reinforced impact modified polypropylene

Development
October 2017

Description

SABIC®PPcompound H1025 is a high flow, halogen free flame retardant, homopolymer with 25% glass fiber, developed for electrical & electronic injection molded applications. This material has been designed to combine a good performance profile with good processing.

SABIC®PPc H1025 is a designated injection molded grade for electrical applications.

IMDS: na
Revision: 3-10-2017

Typical values

Properties	Unit (Si)	Values	Test methods
Physical properties			
Melt flow rate (MFR) at 230 °C and 2.16 kg	g/10 min	9	ISO 1133
Density 1)	kg/m ³	1210	ISO 1183
Filler content	%	25	SABIC method
Mould shrinkage 24 hours after injection moulding	%	-	
Mechanical properties			
Tensile test 1)			ISO 527/1A
Tensile modulus	MPa	7400	
stress at yield	MPa	-	
stress at break	MPa	91	
strain at break	%	3	
Flexural test 1)			ISO 178
Flexural modulus	MPa	6700	ISO 179/1eU
Charpy impact notched at 23 °C	kJ/m ²	8	
Charpy impact notched at 23 °C	kJ/m ²	40	ISO 179/1eA
Thermal properties			
Heat deflection temperature 1)			ISO 75 (flatwise)
HDT A (at 1.8 MPa)	°C	146	IEC 60112 sol. A
HDT B (at 0.45 MPa)	°C	158	
CTI	V	600	
UL94 at 0.8mm	-	V2	
UL94 at 1.5mm	-	V0	
UL94 at 3.0mm	-	5V	
GWFI at 0.8mm	°C	960	
GWFI at 1.6mm	°C	960	

- 1) Injection molded sample ISO527-1A.
2) Injection molded plaque 65x65x3.2 mm

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