



**SABIC® PPcompound H1015**  
Mineral reinforced impact modified polypropylene

**Development**  
October 2017

**Description**

SABIC®PPcompound H1015 is a high flow, halogen free flame retardant, homopolymer with 15% 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 H1015 is a designated injection molded grade for electrical applications.

IMDS: na  
Revision: 3-10-2017

**Typical values**

Properties	Unit (Si)	Values	Test methods
<b>Physical properties</b>			
<b>Melt flow rate (MFR)</b> at 230 °C and 2.16 kg	g/10 min	<b>15</b>	ISO 1133
<b>Density</b> 1)	kg/m <sup>3</sup>	<b>1100</b>	ISO 1183
<b>Filler content</b>	%	<b>15</b>	
<b>Mould shrinkage</b> 2) 24 hours after injection moulding	%	-	SABIC method
<b>Mechanical properties</b>			
<b>Tensile test</b> 1)			ISO 527/1A
Tensile modulus	MPa	<b>4600</b>	
stress at yield	MPa	-	
stress at break	MPa	<b>64</b>	
strain at break	%	<b>3</b>	
<b>Flexural test</b> 1)			ISO 178
Flexural modulus	MPa	<b>4200</b>	
<b>Charpy impact notched</b> 1)			ISO 179/1eU
at 23 °C	kJ/m <sup>2</sup>	<b>6</b>	
<b>Charpy impact notched</b> 1)			ISO 179/1eA
at 23 °C	kJ/m <sup>2</sup>	<b>30</b>	
<b>Thermal properties</b>			
<b>Heat deflection temperature</b> 1)			ISO 75 (flatwise)
HDT A (at 1.8 MPa)	°C	<b>139</b>	
HDT B (at 0.45 MPa)	°C	<b>154</b>	
<b>CTI</b>	V	<b>600</b>	IEC 60112 sol. A
<b>UL94 at 0.8mm</b>	-	<b>NR</b>	
<b>UL94 at 1.5mm</b>	-	<b>NR</b>	
<b>UL94 at 3.0mm</b>	-	<b>V0</b>	
<b>GWFI at 0.8mm</b>	°C	-	
<b>GWFI at 1.6mm</b>	°C	<b>960</b>	

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

All information supplied by or on behalf of any of the SABIC Europe companies in relation to its products, whether in the nature of data, recommendations or otherwise, is supported by research and believed reliable, but the relevant SABIC Europe company assumes no liability whatsoever in respect of application, processing or use made of the afore-mentioned information or products, or any consequence thereof. The user undertakes all liability in respect of the application, processing or use of the afore-mentioned information or product, whose quality and other properties he shall verify, or any consequence thereof. No liability whatsoever shall attach to any of the SABIC Europe companies for any infringement of the rights owned or controlled by a third party in intellectual, industrial or other property by reason of the application, processing or use of the afore-mentioned information or products by the user.