

**SABIC® PPcompound G1120U**

PP

Saudi Basic Industries Corporation (SABIC)

**Product Texts**

SABIC® PPcompound G1120U is a 20% short glass fiber reinforced and UV stabilized Polypropylene. The base material is a PP homopolymer optimized for good creep resistance. The glass fibres are hydrolytically stable and are chemically coupled to the PP matrix.

<b>Mechanical properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Tensile Modulus	<b>4500</b>	MPa	ISO 527
Stress at break	<b>80</b>	MPa	ISO 527
Strain at break	<b>3.7</b>	%	ISO 527
Flexural modulus, 23°C	<b>4330</b>	MPa	ISO 178
Charpy notched impact strength, +23°C	<b>11</b>	kJ/m <sup>2</sup>	ISO 179/1eA

<b>Thermal properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Temp. of deflection under load, 1.80 MPa	<b>145</b>	°C	ISO 75-1/-2

<b>Other properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
Density	<b>1040</b>	kg/m <sup>3</sup>	ISO 1183

**Characteristics****Special Characteristics**

U.V. stabilized or stable to weather

**Chemical Resistance**

Hydrolytically Stable

**Features**

Homopolymer