

**Product Texts**

SABIC® PPcompound G3240U is a general purpose, 40% glass filled, chemically coupled, heat stabilized and UV stabilized homopolymer polypropylene compound. IMDS ID: 209768078

<b>Mechanical properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Tensile Modulus	<b>8900</b>	MPa	ISO 527
Stress at break	<b>110</b>	MPa	ISO 527
Strain at break	<b>2.9</b>	%	ISO 527
Flexural modulus, 23°C	<b>8900</b>	MPa	ISO 178
Charpy notched impact strength, +23°C	<b>10</b>	kJ/m <sup>2</sup>	ISO 179/1eA
Charpy notched impact strength, -30°C	<b>13</b>	kJ/m <sup>2</sup>	ISO 179/1eA
<b>ASTM Data</b>			
Tensile Modulus	<b>7610</b>	MPa	ASTM D 638
Tensile Strength at Break	<b>120</b>	MPa	ASTM D 638
Elongation at Break	<b>2.4</b>	%	ASTM D 638
Flexural Modulus	<b>7800</b>	MPa	ASTM D 790

<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>153</b>	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	<b>161</b>	°C	ISO 75-1/-2
Vicat softening temperature, A	<b>164</b>	°C	ISO 306
<b>ASTM Data</b>			
DTUL @ 66 psi	<b>161</b>	°C	ASTM D 648
DTUL @ 264 psi	<b>153</b>	°C	ASTM D 648

<b>Other properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
Density	<b>1220</b>	kg/m <sup>3</sup>	ISO 1183
Density	<b>1220</b>	kg/m <sup>3</sup>	ASTM D 792

<b>Processing Recommendation Injection Molding</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
Pre-drying - Temperature	<b>80 - 100</b>	°C	-
Pre-drying - Time	<b>2 - 4</b>	h	-
Melt temperature	<b>210 - 270</b>	°C	-
Mold temperature	<b>15 - 60</b>	°C	-
Zone 1	<b>190 - 230</b>	°C	-
Zone 2	<b>200 - 250</b>	°C	-
Zone 3	<b>210 - 270</b>	°C	-
Nozzle temperature	<b>210 - 270</b>	°C	-
Back pressure	<b>1 - 1.5</b>	MPa	-

**Characteristics**

**Special Characteristics**

U.V. stabilized or stable to weather, Heat stabilized or stable to heat

**Features**

Homopolymer