

**PlusTek PB7002G3BK11**

PA6-GF15

Polyram

<b>Processing/Physical Characteristics</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Molding shrinkage, parallel	<b>0.3</b>	%	ISO 294-4, 2577
Molding shrinkage, normal	<b>0.7</b>	%	ISO 294-4, 2577
<b>Mechanical properties</b>			
<b>ISO Data</b>			
Tensile Modulus	<b>6450</b>	MPa	ISO 527
Tensile Strength	<b>120</b>	MPa	ISO 527
Strain at break	<b>2.6</b>	%	ISO 527
Flexural modulus, 23°C	<b>5050</b>	MPa	ISO 178
Flexural strength	<b>195</b>	MPa	ISO 178
Charpy notched impact strength, +23°C	<b>5</b>	kJ/m <sup>2</sup>	ISO 179/1eA
Izod notched impact strength, +23°C	<b>5.5</b>	kJ/m <sup>2</sup>	ISO 180/1A
<b>Thermal properties</b>			
<b>ISO Data</b>			
Temp. of deflection under load, 1.80 MPa	<b>193</b>	°C	ISO 75-1/-2
Burning rate, FMVSS, Thickness 1 mm	<b>100</b>	mm/min	ISO 3795 (FMVSS 302)
<b>ASTM Data</b>			
Vicat Temperature	<b>220</b>	°C	ASTM D 1525
<b>Other properties</b>			
Water absorption	<b>8</b>	%	Sim. to ISO 62
Humidity absorption	<b>2.5</b>	%	Sim. to ISO 62
<b>Processing Recommendation Injection Molding</b>			
Pre-drying - Temperature	<b>80</b>	°C	-
Pre-drying - Time	<b>2 - 4</b>	h	-
Processing humidity	<b>≤0.15</b>	%	-
Mold temperature	<b>65 - 80</b>	°C	-
Feed temperature	<b>60 - 70</b>	°C	-
Zone 1	<b>240 - 280</b>	°C	-
Zone 2	<b>240 - 280</b>	°C	-
Zone 3	<b>240 - 280</b>	°C	-

**Characteristics****Processing**

Injection Molding

**Delivery form**

Black

**Special Characteristics**

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

**Applications**

Automotive

**Regional Availability**

North America, Europe, Asia Pacific, South and Central America, Near East/Africa