

**PlusTek PB503G6NT**

PA6-GF30

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>12000</b>	MPa	ISO 527
Tensile Strength	<b>150</b>	MPa	ISO 527
Strain at break	<b>3.4</b>	%	ISO 527
Izod notched impact strength, +23°C	<b>14</b>	kJ/m <sup>2</sup>	ISO 180/1A
<b>Thermal properties</b>			
<b>ISO Data</b>			
Burning behav. at 1.5 mm nom. thickn. Thickness tested	<b>V-0</b> <b>1.6</b>	class mm	IEC 60695-11-10 -
Burning behav. at thickness h Thickness tested	<b>V-0</b> <b>0.8</b>	class mm	IEC 60695-11-10 -
Glow Wire Flammability Index (GWFI)	<b>960</b>	°C	IEC 60695-2-12
GWFI - thickness tested (1)	<b>0.8</b>	mm	-
Glow Wire Flammability Index (GWFI)	<b>960</b>	°C	IEC 60695-2-12
GWFI - thickness tested (2)	<b>1.6</b>	mm	-
Glow Wire Ignition Temperature (GWIT)	<b>930</b>	°C	IEC 60695-2-13
GWIT - thickness tested (1)	<b>0.8</b>	mm	-
<b>ASTM Data</b>			
UL 94 Flame rating	<b>V-0</b>	-	UL 94
Thickness tested	<b>3</b>	mm	-
<b>Other properties</b>			
Density	<b>1430</b>	kg/m <sup>3</sup>	ISO 1183
<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>210 - 220</b>	°C	-
Zone 2	<b>220 - 235</b>	°C	-
Zone 3	<b>235 - 245</b>	°C	-

**Characteristics****Processing**

Injection Molding

**Delivery form**

Natural Color

**Special Characteristics**

Flame retardant, Halogen-free, Phosphorus-free

**Regional Availability**

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