

**PlusTek PB142NT**

PA6

Polyram

<b>Processing/Physical Characteristics</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Molding shrinkage, parallel	1.2	%	ISO 294-4, 2577
<b>Mechanical properties</b>			
<b>ISO Data</b>			
Tensile Modulus	3220	MPa	ISO 527
Tensile Strength	83	MPa	ISO 527
Yield strain	3.9	%	ISO 527
Izod notched impact strength, +23°C	4.5	kJ/m <sup>2</sup>	ISO 180/1A
<b>Thermal properties</b>			
<b>ASTM Data</b>			
UL 94 Flame rating	V-2	-	UL 94
Thickness tested	0.8	mm	-
<b>Other properties</b>			
Water absorption	10	%	Sim. to ISO 62
Humidity absorption	3	%	Sim. to ISO 62
Density	1130	kg/m <sup>3</sup>	ISO 1183
<b>Processing Recommendation Injection Molding</b>			
Pre-drying - Temperature	80	°C	-
Pre-drying - Time	2 - 4	h	-
Processing humidity	≤0.15	%	-
Mold temperature	65 - 80	°C	-
Feed temperature	60 - 70	°C	-
Zone 1	230 - 240	°C	-
Zone 2	230 - 240	°C	-
Zone 3	230 - 270	°C	-

**Characteristics****Processing**

Injection Molding

**Certifications**

RoHS compliant

**Delivery form**

Natural Color

**Regional Availability**

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