

**PlusTek PB890NT**

PA6

Polyram

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ISO Data</b>			
Melt volume-flow rate, MVR	35	cm <sup>3</sup> /10min	ISO 1133
Temperature	275	°C	-
Load	5	kg	-
Molding shrinkage, parallel	1.8	%	ISO 294-4, 2577

Mechanical properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Tensile Modulus	1700	MPa	ISO 527
Tensile Strength	40	MPa	ISO 527
Yield strain	4.5	%	ISO 527
Flexural modulus, 23°C	1550	MPa	ISO 178
Flexural strength	66	MPa	ISO 178
Charpy notched impact strength, +23°C	85	kJ/m <sup>2</sup>	ISO 179/1eA
Izod notched impact strength, +23°C	74	kJ/m <sup>2</sup>	ISO 180/1A
Izod notched impact strength	23	kJ/m <sup>2</sup>	ISO 180/1A
Temperature	-30	°C	-
<b>ASTM Data</b>			
Izod Impact notched, 1/8 in	890	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Temp. of deflection under load, 1.80 MPa	123	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	48	°C	ISO 75-1/-2
Burning behav. at thickness h	HB	class	IEC 60695-11-10
Thickness tested	3.0	mm	-

Other properties	Value	Unit	Test Standard
Water absorption	7	%	Sim. to ISO 62
Humidity absorption	2	%	Sim. to ISO 62
Density	1060	kg/m <sup>3</sup>	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	80	°C	-
Pre-drying - Time	4 - 8	h	-
Processing humidity	≤0.15	%	-
Mold temperature	55 - 90	°C	-
Feed temperature	60 - 80	°C	-
Zone 1	230 - 240	°C	-
Zone 2	230 - 240	°C	-
Zone 3	230 - 270	°C	-

**Characteristics****Processing**

Injection Molding

**Delivery form**

Natural Color

**Special Characteristics**

High impact or impact modified

**Certifications**

RoHS compliant

**Regional Availability**

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