

PlusTek PB893NT

PA6

Polyram

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt flow index, MFI	5	g/10min	ISO 1133
Temperature	235	°C	-
Load	5	kg	-
Molding shrinkage, parallel	1.1	%	ISO 294-4, 2577
Molding shrinkage, normal	1.4	%	ISO 294-4, 2577

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	1880	MPa	ISO 527
Tensile Strength	48	MPa	ISO 527
Yield strain	4	%	ISO 527
Charpy impact strength, -30°C	N	kJ/m ²	ISO 179/1eU
Charpy notched impact strength, +23°C	90	kJ/m ²	ISO 179/1eA
Charpy notched impact strength, -30°C	22	kJ/m ²	ISO 179/1eA
Izod notched impact strength, +23°C	76	kJ/m ²	ISO 180/1A
ASTM Data			
Izod Impact notched, 1/8 in	880	J/m	ASTM D 256

Other properties	Value	Unit	Test Standard
Water absorption	9	%	Sim. to ISO 62
Humidity absorption	3	%	Sim. to ISO 62
Density	1060	kg/m ³	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	%	-

Processing Recommendation Extrusion	Value	Unit	Test Standard
Pre-drying - Temperature	80	°C	-
Pre-drying - Time	4 - 8	h	-
Processing humidity	≤0.15	%	-

Characteristics**Processing**

Injection Molding, Other Extrusion, Blow Molding

Delivery form

Natural Color

Special Characteristics

High impact or impact modified

Certifications

Food contact, Food approval 10/2011, Food approval FDA 21 CFR, RoHS compliant

Applications

Packaging

Regional Availability

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