

PlusTek PD100NT

PA12

Polyram

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Molding shrinkage, parallel	0.8	%	ISO 294-4, 2577
Mechanical properties			
ISO Data			
Tensile Modulus	1100	MPa	ISO 527
Tensile Strength	45	MPa	ISO 527
Yield strain	15	%	ISO 527
Charpy notched impact strength, +23°C	7	kJ/m ²	ISO 179/1eA
Thermal properties			
ISO Data			
Temp. of deflection under load, 0.45 MPa	115	°C	ISO 75-1/-2
Other properties			
Water absorption	1.5	%	Sim. to ISO 62
Humidity absorption	0.7	%	Sim. to ISO 62
Density	1010	kg/m ³	ISO 1183
Processing Recommendation Injection Molding			
Pre-drying - Temperature	80	°C	-
Pre-drying - Time	2 - 4	h	-
Processing humidity	≤0.15	%	-
Mold temperature	70 - 90	°C	-
Feed temperature	60 - 70	°C	-
Zone 1	220 - 230	°C	-
Zone 2	220 - 230	°C	-
Zone 3	230 - 240	°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