

PlusTek PD4801NT

(PA12+PTFE)

Polyram

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Molding shrinkage, parallel	0.9	%	ISO 294-4, 2577
Molding shrinkage, normal	1.6	%	ISO 294-4, 2577

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	720	MPa	ISO 527
Tensile Strength	29	MPa	ISO 527
Yield strain	10	%	ISO 527
Izod notched impact strength, +23°C	51	kJ/m ²	ISO 180/1A

Other properties	Value	Unit	Test Standard
Water absorption	1.3	%	Sim. to ISO 62
Humidity absorption	0.6	%	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	2 - 4	h	-
Processing humidity	≤0.15	%	-
Mold temperature	60 - 80	°C	-
Feed temperature	60 - 70	°C	-
Zone 1	210 - 230	°C	-
Zone 2	210 - 230	°C	-
Zone 3	220 - 250	°C	-

Characteristics**Processing**

Injection Molding

Delivery form

Natural Color

Additives

Lubricants

Special Characteristics

High impact or impact modified

Certifications

RoHS compliant

Regional Availability

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