

PlusTek PD106GR426

PA12

Polyram

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt flow index, MFI	33.5	g/10min	ISO 1133
Temperature	235	°C	-
Load	5	kg	-
Molding shrinkage, parallel	0.8	%	ISO 294-4, 2577
Molding shrinkage, normal	1.4	%	ISO 294-4, 2577
Mechanical properties			
ISO Data			
Tensile Strength	46	MPa	ISO 527
Yield strain	5.5	%	ISO 527
Flexural modulus, 23°C	1520	MPa	ISO 178
Flexural strength	60.5	MPa	ISO 178
Izod notched impact strength, +23°C	4.5	kJ/m ²	ISO 180/1A
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

Regional Availability

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