

PlusTek PTT301G6NT

PA1010-GF30

Polyram

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	8650	MPa	ISO 527
Tensile Strength	145	MPa	ISO 527
Strain at break	4.4	%	ISO 527
Flexural modulus, 23°C	6500	MPa	ISO 178
Flexural strength	225	MPa	ISO 178
Charpy impact strength, +23°C	90	kJ/m ²	ISO 179/1eU
Charpy notched impact strength, +23°C	15	kJ/m ²	ISO 179/1eA
Charpy notched impact strength, -30°C	11	kJ/m ²	ISO 179/1eA
Izod notched impact strength, +23°C	22	kJ/m ²	ISO 180/1A

Other properties	Value	Unit	Test Standard
Water absorption	1.4	%	Sim. to ISO 62
Density	1280	kg/m ³	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	80	°C	-
Pre-drying - Time	4 - 12	h	-
Processing humidity	≤0.1	%	-
Mold temperature	60 - 80	°C	-
Feed temperature	40 - 60	°C	-
Zone 1	250 - 260	°C	-
Zone 2	260 - 270	°C	-
Zone 3	260 - 270	°C	-

Characteristics**Processing**

Injection Molding

Delivery form

Natural Color

Special Characteristics

Heat stabilized or stable to heat

Certifications

Contains renewable resources

Regional Availability

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