

PlusTek PQ301M6NT

PA610-MX30

Polyram

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Molding shrinkage, parallel	0.8	%	ISO 294-4, 2577
Molding shrinkage, normal	0.9	%	ISO 294-4, 2577

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	4900	MPa	ISO 527
Tensile Strength	70	MPa	ISO 527
Strain at break	4.5	%	ISO 527
Flexural modulus, 23°C	4070	MPa	ISO 178
Flexural strength	120	MPa	ISO 178
Charpy impact strength, +23°C	62	kJ/m ²	ISO 179/1eU
Charpy notched impact strength, +23°C	3.8	kJ/m ²	ISO 179/1eA
Izod notched impact strength, +23°C	3.7	kJ/m ²	ISO 180/1A

Thermal properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	76	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	183	°C	ISO 75-1/-2
Burning rate, FMVSS, Thickness 1 mm	100	mm/min	ISO 3795 (FMVSS 302)

Other properties	Value	Unit	Test Standard
Density	1330	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	70 - 90	°C	-
Feed temperature	60 - 90	°C	-
Zone 1	240 - 260	°C	-
Zone 2	250 - 270	°C	-
Zone 3	260 - 280	°C	-

Characteristics**Processing**

Injection Molding

Delivery form

Natural Color

Certifications

Contains renewable resources, RoHS compliant

Regional Availability

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