

PlusTek PA301G3NT

PA66-GF15

Polyram

Processing/Physical Characteristics	dry / cond	Unit	Test Standard
ISO Data			
Molding shrinkage, parallel	0.5 / *	%	ISO 294-4, 2577
Molding shrinkage, normal	1.1 / *	%	ISO 294-4, 2577
Mechanical properties			
ISO Data			
Tensile Modulus	6000 / 4000	MPa	ISO 527
Tensile Strength	130 / 80	MPa	ISO 527
Strain at break	2.9 / 3	%	ISO 527
Charpy notched impact strength, +23°C	6.5 / 17	kJ/m ²	ISO 179/1eA
Izod notched impact strength, +23°C	6.6 / -	kJ/m ²	ISO 180/1A
Thermal properties			
ISO Data			
Temp. of deflection under load, 1.80 MPa	240 / *	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	260 / *	°C	ISO 75-1/-2
ASTM Data			
Vicat Temperature	258	°C	ASTM D 1525
Other properties			
dry / cond			
Water absorption	7 / *	%	Sim. to ISO 62
Humidity absorption	2 / *	%	Sim. to ISO 62
Density	1230 / -	kg/m ³	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	80	°C	-
Pre-drying - Time	3 - 4	h	-
Processing humidity	≤0.15	%	-
Mold temperature	70 - 120	°C	-
Feed temperature	60 - 70	°C	-
Zone 1	260 - 280	°C	-
Zone 2	270 - 300	°C	-
Zone 3	280 - 300	°C	-

Characteristics**Processing**

Injection Molding

Delivery form

Natural Color

Certifications

RoHS compliant

Regional Availability

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