

PlusTek PA7001G7BK11

PA66-GF35

Polyram

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Molding shrinkage, parallel	0.4	%	ISO 294-4, 2577
Molding shrinkage, normal	1.0	%	ISO 294-4, 2577

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	11800	MPa	ISO 527
Tensile Strength	196	MPa	ISO 527
Strain at break	2.8	%	ISO 527
Flexural modulus, 23°C	10500	MPa	ISO 178
Flexural strength	290	MPa	ISO 178
Izod notched impact strength, +23°C	12	kJ/m ²	ISO 180/1A

Thermal properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	250	°C	ISO 75-1/-2

Other properties	Value	Unit	Test Standard
Water absorption	5.5	%	Sim. to ISO 62
Humidity absorption	1.7	%	Sim. to ISO 62
Density	1410	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	80 - 90	°C	-
Feed temperature	60 - 70	°C	-
Zone 1	260 - 280	°C	-
Zone 2	260 - 280	°C	-
Zone 3	280 - 300	°C	-

Characteristics**Processing**

Injection Molding

Special Characteristics

U.V. stabilized or stable to weather, Heat stabilized or stable to heat

Chemical Resistance

Hydrolytically Stable

Certifications

Drinking water contact, RoHS compliant

Regional Availability

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