

PlusTek PA310G8BK10

PA66-GF40

Polyram

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Molding shrinkage, parallel	0.3	%	ISO 294-4, 2577
Molding shrinkage, normal	0.9	%	ISO 294-4, 2577

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	12200	MPa	ISO 527
Tensile Strength	190	MPa	ISO 527
Strain at break	3	%	ISO 527
Izod notched impact strength, +23°C	16	kJ/m ²	ISO 180/1A

Other properties	Value	Unit	Test Standard
Water absorption	5	%	Sim. to ISO 62
Humidity absorption	1.7	%	Sim. to ISO 62
Density	1450	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

Delivery form

Black

Special Characteristics

Heat stabilized or stable to heat

Certifications

Food contact, Food approval NSF 51, Drinking water contact, RoHS compliant

Regional Availability

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