

PlusTek PA103BK10

PA66

Polyram

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

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	3150	MPa	ISO 527
Tensile Strength	84	MPa	ISO 527
Yield strain	4.7	%	ISO 527
Izod notched impact strength, +23°C	4	kJ/m ²	ISO 180/1A

Other properties	Value	Unit	Test Standard
Water absorption	9	%	Sim. to ISO 62
Humidity absorption	3	%	Sim. to ISO 62
Density	1140	kg/m ³	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	80	°C	-
Pre-drying - Time	4 - 8	h	-
Processing humidity	≤0.15	%	-
Mold temperature	70 - 120	°C	-
Feed temperature	60 - 70	°C	-
Zone 1	265 - 280	°C	-
Zone 2	270 - 300	°C	-
Zone 3	280 - 300	°C	-

Characteristics**Processing**

Injection Molding, Other Extrusion

Certifications

RoHS compliant

Delivery form

Black

Regional Availability

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