

PlusTek PA100BK10-F

PA66

Polyram

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Molding shrinkage, parallel	1.2	%	ISO 294-4, 2577
Mechanical properties			
ISO Data			
Tensile Modulus	3500	MPa	ISO 527
Tensile Strength	90	MPa	ISO 527
Yield strain	4.7	%	ISO 527
Flexural modulus, 23°C	2700	MPa	ISO 178
Flexural strength	98	MPa	ISO 178
Izod notched impact strength, +23°C	5.3	kJ/m ²	ISO 180/1A
Thermal properties			
ISO Data			
Burning behav. at thickness h	V-2	class	IEC 60695-11-10
Thickness tested	3.0	mm	-
Other properties			
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			
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

Delivery form

Black

Certifications

RoHS compliant

Applications

General Purpose

Regional Availability

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