

PlusTek PB507BK10

PA6

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	70	MPa	ISO 527
Yield strain	3.6	%	ISO 527
Izod notched impact strength, +23°C	4	kJ/m ²	ISO 180/1A
ASTM Data			
Izod Impact notched, 1/8 in	39	J/m	ASTM D 256
Thermal properties			
ISO Data			
Burning behav. at 1.5 mm nom. thickn. Thickness tested	V-0 1.6	class mm	IEC 60695-11-10 -
Burning behav. at thickness h Thickness tested	V-0 0.8	class mm	IEC 60695-11-10 -
Burning behav. 5V at thickness h Thickness tested	5VA 3.0	class mm	IEC 60695-11-20 -
ASTM Data			
UL 94 Flame rating Thickness tested	V-0 3	- mm	UL 94 -
Other properties			
Water absorption	8	%	Sim. to ISO 62
Humidity absorption	2.5	%	Sim. to ISO 62
Density	1190	kg/m ³	ISO 1183
Processing Recommendation Injection Molding			
Pre-drying - Temperature	80	°C	-
Pre-drying - Time	2 - 4	h	-
Processing humidity	≤0.15	%	-
Mold temperature	65 - 80	°C	-
Feed temperature	60 - 80	°C	-
Zone 1	230 - 250	°C	-
Zone 2	250 - 270	°C	-
Zone 3	260 - 270	°C	-

Characteristics**Processing**

Injection Molding

Certifications

RoHS compliant

Delivery form

Black

Regional Availability

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

Special Characteristics

Flame retardant, Halogen-free