

PlusTek PB145BK10F

PA6

Polyram

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Molding shrinkage, parallel	1.2	%	ISO 294-4, 2577

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	3100	MPa	ISO 527
Tensile Strength	82	MPa	ISO 527
Yield strain	3.9	%	ISO 527
Izod notched impact strength, +23°C	4.5	kJ/m ²	ISO 180/1A

Other properties	Value	Unit	Test Standard
Water absorption	10	%	Sim. to ISO 62
Humidity absorption	3	%	Sim. to ISO 62
Density	1130	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	65 - 80	°C	-
Feed temperature	60 - 70	°C	-
Zone 1	230 - 240	°C	-
Zone 2	230 - 240	°C	-
Zone 3	230 - 270	°C	-

Characteristics**Processing**

Injection Molding

Delivery form

Black

Certifications

Food contact, Food approval 10/2011, Food approval FDA 21 CFR, RoHS compliant

Regional Availability

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