

**PlusTek PB145BK10**

PA6

Polyram

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

Mechanical properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Tensile Modulus	3300	MPa	ISO 527
Tensile Strength	83	MPa	ISO 527
Yield strain	3.9	%	ISO 527
Strain at break	13.5	%	ISO 527
Charpy notched impact strength, +23°C	5	kJ/m <sup>2</sup>	ISO 179/1eA
Izod notched impact strength, +23°C	5.2	kJ/m <sup>2</sup>	ISO 180/1A

Electrical properties	Value	Unit	Test Standard
<b>Other Standards<sup>[5]</sup></b>			
Surface resistivity	1E12	Ohm	DIN 53482

S: These properties are reported by the producer according standards that are different to our defaults.

Other properties	Value	Unit	Test Standard
Water absorption	10	%	Sim. to ISO 62
Humidity absorption	3	%	Sim. to ISO 62
Density	1130	kg/m <sup>3</sup>	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

**Certifications**

RoHS compliant

**Delivery form**

Black

**Regional Availability**

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