

PlusTek PA810BK15

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	2600	MPa	ISO 527
Tensile Strength	70	MPa	ISO 527
Strain at break	25	%	ISO 527
Izod notched impact strength, +23°C	11	kJ/m ²	ISO 180/1A
Thermal properties			
ISO Data			
Burning behav. at thickness h	HB	class	IEC 60695-11-10
Thickness tested	3.0	mm	-
Other properties			
Water absorption	8	%	Sim. to ISO 62
Humidity absorption	2	%	Sim. to ISO 62
Density	1110	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	60 - 90	°C	-
Feed temperature	60 - 70	°C	-
Zone 1	260 - 270	°C	-
Zone 2	260 - 270	°C	-
Zone 3	260 - 270	°C	-

Characteristics**Processing**

Injection Molding

Delivery form

Black

Special Characteristics

High impact or impact modified, U.V. stabilized or stable to weather

Certifications

RoHS compliant

Regional Availability

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