

PlusTek PA517BK10

PA66/6

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	3650	MPa	ISO 527
Tensile Strength	75	MPa	ISO 527
Yield strain	3.8	%	ISO 527
Izod notched impact strength, +23°C	3.3	kJ/m ²	ISO 180/1A

Thermal properties	Value	Unit	Test Standard
ISO Data			
Burning behav. at 1.5 mm nom. thickn.	V-0	class	IEC 60695-11-10
Thickness tested	1.6	mm	-
Burning behav. at thickness h	V-0	class	IEC 60695-11-10
Thickness tested	0.4	mm	-
Glow Wire Flammability Index (GWFI)	960	°C	IEC 60695-2-12
GWFI - thickness tested (1)	1.6	mm	-
Glow Wire Flammability Index (GWFI)	960	°C	IEC 60695-2-12
GWFI - thickness tested (2)	3	mm	-
Glow Wire Ignition Temperature (GWIT)	725	°C	IEC 60695-2-13
GWIT - thickness tested (1)	1.6	mm	-
Glow Wire Ignition Temperature (GWIT)	700	°C	IEC 60695-2-13
GWIT - thickness tested (2)	3	mm	-

Other properties	Value	Unit	Test Standard
Water absorption	8	%	Sim. to ISO 62
Humidity absorption	2.5	%	Sim. to ISO 62
Density	1180	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 - 80	°C	-
Zone 1	250 - 260	°C	-
Zone 2	260 - 270	°C	-
Zone 3	260 - 280	°C	-

Characteristics**Processing**

Injection Molding

Delivery form

Black

Special Characteristics

Flame retardant, Halogen-free, Phosphorus-free

Features

Copolymer

Certifications

RoHS compliant

Regional Availability

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