

PlusTek PB826G3-BR8Q9RIM

PA6-GF15

Polyram

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Molding shrinkage, parallel	0.3	%	ISO 294-4, 2577
Molding shrinkage, normal	0.8	%	ISO 294-4, 2577

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	5150	MPa	ISO 527
Tensile Strength	100	MPa	ISO 527
Strain at break	4.5	%	ISO 527
Charpy notched impact strength, +23°C	10	kJ/m ²	ISO 179/1eA

Thermal properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	170	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	210	°C	ISO 75-1/-2

Other properties	Value	Unit	Test Standard
Water absorption	6.5	%	Sim. to ISO 62
Humidity absorption	2.5	%	Sim. to ISO 62
Density	1210	kg/m ³	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	80	°C	-
Pre-drying - Time	4	h	-
Processing humidity	≤0.15	%	-
Mold temperature	55 - 90	°C	-
Feed temperature	60 - 70	°C	-
Zone 1	220 - 240	°C	-
Zone 2	220 - 240	°C	-
Zone 3	230 - 270	°C	-

Characteristics**Processing**

Injection Molding

Delivery form

Brown

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