

PlusTek PB829G50BK11

PA6-GF50

Polyram

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	14400	MPa	ISO 527
Tensile Strength	175	MPa	ISO 527
Strain at break	3.9	%	ISO 527
Charpy impact strength, +23°C	90	kJ/m ²	ISO 179/1eU
Charpy notched impact strength, +23°C	25	kJ/m ²	ISO 179/1eA
Izod notched impact strength, +23°C	27	kJ/m ²	ISO 180/1A

Other properties	Value	Unit	Test Standard
Density	1540	kg/m ³	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	80 - 100	°C	-
Pre-drying - Time	2 - 3	h	-
Processing humidity	≤0.15	%	-
Mold temperature	90 - 95	°C	-
Feed temperature	60 - 70	°C	-
Zone 1	290 - 300	°C	-
Zone 2	290 - 300	°C	-
Zone 3	290 - 300	°C	-

Characteristics**Processing**

Injection Molding

Delivery form

Black

Special Characteristics

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

Certifications

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

Regional Availability

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