

PlusTek PB202G50BK39.2

PA6-GF50

Polyram

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Molding shrinkage, parallel	0.1	%	ISO 294-4, 2577
Molding shrinkage, normal	0.5	%	ISO 294-4, 2577

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	17600	MPa	ISO 527
Tensile Strength	230	MPa	ISO 527
Strain at break	3	%	ISO 527
Flexural modulus, 23°C	14000	MPa	ISO 178
Flexural strength	320	MPa	ISO 178
Izod notched impact strength, +23°C	22	kJ/m ²	ISO 180/1A
Izod notched impact strength	13	kJ/m ²	ISO 180/1A
Temperature	-40	°C	-

Thermal properties	Value	Unit	Test Standard
ISO Data			
Melting temperature, 10°C/min	220	°C	ISO 11357-1/-3
Temp. of deflection under load, 1.80 MPa	215	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	220	°C	ISO 75-1/-2

Other properties	Value	Unit	Test Standard
Water absorption	5	%	Sim. to ISO 62
Humidity absorption	1.5	%	Sim. to ISO 62
Density	1550	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

U.V. stabilized or stable to weather, Heat stabilized or stable to heat

Certifications

Food contact, Food approval NSF 51, Drinking water contact, RoHS compliant

Regional Availability

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