

PlusTek PAT801G50BK10

PA*-GF50

Polyram

Product Texts

PLUSTEK PAT801G50BK10 is Black, 50% Glass Fiber Reinforced, Impact Modified, Improved Surface Appearance semi-crystalline Polyamide with partially aromatic copolyamide, Injection Molding Applications.

Processing/Physical Characteristics	dry / cond	Unit	Test Standard
ISO Data			
Molding shrinkage, parallel	0.1 / *	%	ISO 294-4, 2577
Molding shrinkage, normal	0.4 / *	%	ISO 294-4, 2577

Mechanical properties	dry / cond	Unit	Test Standard
ISO Data			
Tensile Modulus	15500 / 13300	MPa	ISO 527
Tensile Strength	195 / 160	MPa	ISO 527
Strain at break	2.5 / 2.6	%	ISO 527
Flexural modulus, 23°C	14500 / -	MPa	ISO 178
Flexural strength	310 / -	MPa	ISO 178
Izod notched impact strength, +23°C	15.5 / 22	kJ/m ²	ISO 180/1A

Thermal properties	dry / cond	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	230 / *	°C	ISO 75-1/-2

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	80	°C	-
Pre-drying - Time	4 - 12	h	-
Processing humidity	≤0.1	%	-
Mold temperature	80 - 140	°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

Certifications

RoHS compliant

Delivery form

Black

Regional Availability

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

Special Characteristics

High impact or impact modified