

**PlusTek PD4302G8BK11**

PA12-GF40

Polyram

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

Mechanical properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Tensile Modulus	10800	MPa	ISO 527
Tensile Strength	124	MPa	ISO 527
Strain at break	3.7	%	ISO 527
Flexural modulus, 23°C	8610	MPa	ISO 178
Flexural strength	202	MPa	ISO 178
Izod notched impact strength, +23°C	15	kJ/m <sup>2</sup>	ISO 180/1A

Thermal properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Temp. of deflection under load, 1.80 MPa	162	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	174	°C	ISO 75-1/-2

Other properties	Value	Unit	Test Standard
Density	1400	kg/m <sup>3</sup>	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	60 - 80	°C	-
Feed temperature	60 - 70	°C	-
Zone 1	220 - 230	°C	-
Zone 2	220 - 230	°C	-
Zone 3	230 - 250	°C	-

**Characteristics****Processing**

Injection Molding

**Delivery form**

Black

**Additives**

Lubricants

**Special Characteristics**

U.V. stabilized or stable to weather

**Certifications**

RoHS compliant

**Regional Availability**

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