

Product Description

5% Glass Reinforced, Polyamide 6

General Considerations

Resin ID (ISO 1043)	· >PA6-GF05<
Filler / Reinforcement	· Glass Fiber, 5% Filler by Weight
Processing	· Injection Molding
Color	· Natural

- The information below is for information purposes only and should not be adopted as specification limits.

Physical	Value	Unit	Method
% Ash Content	0.5 to 0.7	%	ASTM D 2584
Density	1.16	g/cm ³	ASTM D 792/A
Mold Shrinkage	1.10 to 1.15	%	ASTM D 955
Humidity Absorption	1.30	%	ASTM D 570

Mechanical	Value	Unit	Method
Tensile Strength	85	MPa	ASTM 648
Elongation at Break	6.5	%	ASTM 648
Flexural Stress	150	MPa	ASTM 790
Flexural Modulus	3600	MPa	ASTM 790
Izod Notched Impact Strength 23°C	60	J/m	ASTM 256

Thermal	Value	Unit	Method
Deflection Temperature 1,8 MPa	140	°C	ASTM D 648
Melting Point	210 to 225	°C	ASTM D 2117

Process	Value	Unit	Method
Molding Process Temperature	220 to 240	°C	--
Mold Temperature	40 to 80	°C	--
Stuffing Static (Tray)	90/2	°C/Hours	--
Maximum Moisture Content for Processing	0,02	%	--

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