

Product Description

20% Glass Reinforced, Polyamide 6

General Considerations

Resin ID (ISO 1043)	· PA6-G20
Filler / Reinforcement	· Glass Fiber, 20% Filler by Weight
Processing	· Injection Molding
Color	· Black

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

Physical	Values	Unit	Method
Density	1,26	g/cm ³	ASTM D 792/A
Mold Shrinkage	0,9 to 1,1	%	ASTM D 955
Water Absorption	2,5	%	ASTM D 570

Mechanical	Dry	50%RH	Unit	Method
Tensile Strength @ Break (50mm/min)				
23°C	120	75	MPa	ASTM D 638
Elongation at Break (50mm/min)	4	7	%	ASTM D 638
Flexural Strength (2mm/min)	180	90	MPa	ASTM D 790
Flexural Modulus (2mm/min)	5200	3400	MPa	ASTM D 790
Izod Notched Impact Strength				
23°C	80	150	J/m	ASTM D 256

Thermal	Value	Unit	Method
Melting Point	210 - 225	°C	ASTM D 2117
Heat Deflection Temperature			
1,82MPa	165	°C	ASTM D 648
Flammability	HB	-	UL 94

Process		Unit	Method
Molding Process Temperature	220 to 240	°C	-
Mold Temperature	40 to 80	°C	-
Drying	90/2	°C/hours	-

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