

Product Description

63% Fiber Glass Reinforced, Polyamide 6

General Considerations

Resin ID (ISO 1043)	· PA6-GF63
Filler / Reinforcement	· Glass Fiber, 63% Filler by Weight
Processing	· Injection Molding
Color	· Black

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

Physical	Value	Unit	Method
Density / Specific Gravity	1,7	g/cm ³	ASTM D 792/A
Water Absorption		%	ISO 62
Saturation (23°C)	1,2		
Mold Shrinkage		%	ISO 294-4
Across Flow	0,7		
Flow	0,3		

Mechanical	Dry	Cond.	Unit	Method
Tensile Stress at Break	205	150	MPa	ISO 527-1-2
Tensile Strain at Break	2,5	3,5	%	ISO 527-1-2
Flexural Modulus	18500	-	MPa	ISO 178
Flexural Strength	360	-	MPa	ISO 178
Izod Notched Impact Strength			kJ/m ²	ISO 180/1A
23°C	15	-		

Thermal	Value	Unit	Method
Heat Deflection Temperature		°C	ISO 75-1-2
1,82 MPa	220		
0,45 MPa	220		
Melting Point	220	°C	ISO 3146 A

Process	Value	Unit	Method
Molding Process Temperature	240 to 280	°C	--
Mold Temperature	70 to 120	°C	--
Drying	80/4	°C/Hours	--

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