

Product Description

30% Glass Fiber, Highly Lubricated, Polyamide 66

General Considerations

Resin ID (ISO 1043)	· PA66-GF30
Filler / Reinforcement	· Glass Fiber, 30% Filler by Weight
Additive	· Lubrificants
Processing	· Injection Molding
Color	· Natural

Physical	Value	Unit	Method
Density / Specific Gravity	1,38	g/cm ³	ASTM D 792/A
Mold Shrinkage		%	ISO 294-4
Parallel	0,5		
Normal	0,8		
Water Absorption		%	ISO 62
Equilibrium (23°C)	0,8		

Mechanical	Dry	50%RH	Unit	Method
Yield Stress	150	120	MPa	ISO 527-1-2
Yield Strain	4	5	%	ISO 527-1-2
Flexural Strength	220	200	MPa	ISO 178
Flexural Modulus	9500	7000	MPa	ISO 178
Izod Notched Impact Strength			kJ/m ²	ISO 180/1A
23°C	10	13		

Thermal	Value	Unit	Method
Melting Point	260	°C	--
Heat Deflection Temperature		°C	ISO 75-1-2
0,45 MPa	240		
1,80 MPa	220		

Process	Value	Unit	Method
Molding Process Temperature	270 to 290	°C	--
Mold Temperature	60 to 90	°C	--
Drying	90/4	°C/Hours	--

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