

Product Description

30% Glass Fiber, Heat Stabilized, Hydrolysis Resistant, Polyamide 66

General Considerations

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

Physical	Dry	50%RH	Unit	Method
Density / Specific Gravity	1,35 - 1,39		g/cm ³	ISO 1183
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
Tensile Modulus	10000	7500	MPa	ISO 527-1-2
Flexural Strength	210	190	MPa	ISO 178
Flexural Modulus	7500	5000	MPa	ISO 178
Charpy Notched Impact Strength			kJ/m ²	ISO 179/1eA
23°C	12	16		
Izod Notched Impact Strength			kJ/m ²	ISO 180/1A
23°C	10	13		

Thermal	Value	Unit	Method
Melting Point	250 - 265	°C	--
Heat Deflection Temperature		°C	ISO 75-1-2
0,45 MPa	240		
1,80 MPa	220		

Electrical	Dry	50%RH	Unit	Method
Surface Resistivity	1E13	1E15	ohm	IEC 60093
Volume Resistivity	1E11	1E13	ohm.m	IEC 60093

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

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