

Product Description

Hydrolysis Resistant, Heat Stabilized, 30% Glass Reinforced, Polyamide 6

General Considerations

Resin ID (ISO 1043)	· PA6-GF30	
Filler / Reinforcement	· Glass Fiber, 30% Filler by Weight	
Additive	· Heat Stabilized	· Hydrolysis Resistant
Processing	· Injection Molding	· Extrusion
Color	· Natural	

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

Physical	Value	Unit	Method
Density	1,36 to 1,38	g/cm ³	ASTM D 792
Ash Content	28 to 32	%	ISO 3451-1/A
Mold Shrinkage	0,3 to 0,5	%	ASTM D 955
Water absorption	1	%	ASTM D 570

Mechanical	Value	Unit	Method
Tensile Strength	160	MPa	ASTM D 638
Elongation at Break	3,5	%	ASTM D 638
Flexural Modulus	7900	MPa	ASTM D 790
Flexural Strength	220	MPa	ASTM D 790
Izod Notched Impact Strength	115	J/m	ASTM D 256

Thermal	Value	Unit	Method
Heat Deflection Temperature 1,82 MPa	200	°C	ASTM D 648
Melting Point	210 to 225	°C	ISO 3146 A
Vicat Softening Temperature	210	°C	ASTM D 1525

Process	Value	Unit	Method
Molding Process Temperature	230 to 250	°C	--
Mold Temperature	80 to 100	°C	--
Drying	80/4	°C/Hours	--

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