

Product Description

45% Fiber Glass Reinforced, High Flow, Heat Stabilized, Polyamide 6

General Considerations

Resin ID (ISO 1043)	· PA6 GF45
Processing	· Injection Molding
Color	· Natural

Physical	Value	Unit	Method
Density / Specific Gravity	1,51	g/cm ³	ISO 1183
Mold Shrinkage		%	ISO 294-4
Across Flow	0,6		
Flow	0,1		

Mechanical	Value	Unit	Method
Tensile Modulus	14500	MPa	ISO 527-1-2
Tensile Stress at Break	230	MPa	ISO 527-1-2
Tensile Strain at Break	3	%	ISO 527-1-2
Flexural Stress	310	MPa	ISO 178
Flexural Modulus	13000	MPa	ISO 178
Izod Notched Impact Strength		kJ/m ²	ISO 180/1A
23°C	18		

Thermal	Value	Unit	Method
Melting Point	221	°C	--
Heat Deflection Temperature		°C	ISO 75-1-2
1,80 MPa	213		ISO 75-1-2A

Process		Unit	Method
Molding Process Temperature	260 to 280	°C	--
Mold Temperature	70 to 120	°C	--
Drying	80/4	°C/Hours	--

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