

Product Description

20% Glass Fiber, 10% Glass Bead, Polyamide 66

General Considerations

Resin ID (ISO 1043)	· PA66 GF20	
Filler / Reinforcement	· 20% Glass Fiber	· 10% Glass Bead
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	1,38	g/cm ³	ASTM D 792
Mold Shrinkage	0,3 to 0,7	%	ASTM D 955
Humidity Absorption	1,3	%	ASTM D 570
% Ash Content	18 to 22	%	ASTM D 2584

Mechanical	Value	Unit	Method
Tensile Strength	140	MPa	ASTM D 638
Elongation at break	4	%	ASTM D 638
Flexural Strength	238	MPa	ASTM D 790
Flexural Modulus	7200	MPa	ASTM D 790
Notched Izod Impact 23°C	80	J/m	ASTM D 256

Thermal	Value	Unit	Method
Heat Deflection Temperature 1,8 Mpa	238	°C	ASTM D 648
Melting point	255	°C	ASTM D 2117
Flammability	V-2	-	UL 94

Electrical	Value	Unit	Method
Volume Resistivity	10E+14	Ω.cm	ASTM D 257

Process	Value	Unit	Method
Molding Process Temperature	260 to 280	°C	--
Mold Temperature	70 to 100	°C	--
Stuffing Static	90/3	°C/Hours	--
Maximum Moisture Content for process	0,02	%	--

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