

Product Description

25% Glass Fiber, UV Stabilized, Flame Retardant, Polyamide 66

General Considerations

Resin ID (ISO 1043)	· PA66-GF25
Filler / Reinforcement	· Glass Fiber, 25% Filler by Weight
Additive	· UV Stabilized · Flame Retardant
Processing	· Injection Molding · Extrusion
Color	· Black

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

Physical	Value	Unit	Method
Density / Specific Gravity	1,56	g/cm ³	ASTM D 792/A
Mold Shrinkage		%	ASTM D 955
Parallel	0,5		
Normal	0,8		
Water Absorption		%	ASTM D 570
Equilibrium (23°C)	0,5		
Mechanical	Value	Unit	Method
Tensile Strength	165	MPa	ASTM D 638
Tensile Elongation	3,5	%	ASTM D 638
Flexural Strength	230	MPa	ASTM D 790
Flexural Modulus	8900	MPa	ASTM D 790
Izod Notched Impact Strength		J/m	ASTM D 256
23°C	100		
Thermal	Value	Unit	Method
Melting Point	260	°C	--
Heat Deflection Temperature		°C	ASTM D 648
1,80 MPa	235		
Flammability	Value	Unit	Method
Flame Rating	V-0	--	UL94
Electrical	Value	Unit	Method
Surface Resistivity	1E14	ohm	ASTM D 257
Volume Resistivity	1E14	ohm cm	ASTM D 257
Dielectric Strength	17,2 (435)	kV/mm (V/mil)	ASTM D 149
Dielectric Constant		--	ASTM D 150
1E3 Hz	3,6		
1E6 Hz	3,5		
Dissipation Factor		--	ASTM D 150
1E3 Hz	0,009		
1E6 Hz	0,014		
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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NYPOL A3 G25 FR UV PRTA011 NR410



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