

Product Description

35% Glass Fiber, Hydrolysis Resistant and Heat Stabilized Polyamide 66

General Considerations

Resin ID (ISO 1043)	· >PA66 GF35<
Additive	· Heat Stabilized
Processing	· Injection Molding
Color	· Black
Data	·VW 50133 ·VW 501 27 ·FIAT 55232

Physical	Value	Unit	Method
Density / Specific Gravity	1,40	g/cm ³	ISO 1183
Ash content	35	%	ISO 3451-1/A
Mold Shrinkage		%	ASTM D 955
Parallel	0,3		
Normal	1,1		
Water Absorption		%	ISO 62
Saturation (Water at 23°C)	5,5		
Equilibrium (23°C)	1,7		

Mechanical	Dry	Cond.	Unit	Method
Stress at Break	210	150	MPa	ISO 527
Strain at Break	3	6	%	ISO 527
Tensile Modulus	11200	8700	MPa	ISO 527
Flexual Modulus	9500	6800	MPa	ISO 527
Izod Notched Impact (23°C)	12	15	kJ/m ²	ISO 180
Izod Notched Impact (-30°C)	10	10	kJ/m ²	ISO 180
Izod Unnotched Impact (23°C)	80	90	kJ/m ²	ISO 180
Charpy Notched Impact (23°C)	14	17	kJ/m ²	ISO 179
Charpy Notched Impact (-30°C)	10	10		
Hardness, Rockwell			--	ISO 2039
Scale R	125	117	R-scale	

Thermal	Value	Unit	Method
Melting Point	262	°C	ISO 3451-1/A
Heat Deflection Temperature		°C	ASTM D 648
1,82 MPa	251		
0,45 MPa	255		
Flammability	HB		UL94

Electrical	Value	Unit	Method
Volume Resistivity	10E+15	ohm.cm	ASTM D 257
Surface Resistivity	10E+13	ohm.cm	ASTM D 257

Process		Unit	Method
Molding Process Temperature	280 to 295	°C	--
Mold Temperature	70 to 120	°C	--
Drying	90 / 3	°C/Hours	--

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