ALTECH® PA66 A 2020/109 GF20

Polyamide 66

ALBIS PLASTIC GmbH

Message:

ALTECH® PA66 A 2020/109 GF20 is a Polyamide 66 (Nylon 66) product filled with 20% glass fiber. It can be processed by injection molding and is available in Asia Pacific, Europe, or North America.
Characteristics include:
Flame Rated
REACH Compliant
RoHS Compliant
Good Mold Release
Heat Stabilizer

General Information				
Filler / Reinforcement	Glass Fiber,20% Filler by Weight			
Additive	Heat Stabilizer			
Features	Good Mold Release Heat Stabilized			
Agency Ratings	EC 1907/2006 (REACH)			
RoHS Compliance	RoHS Compliant			
Processing Method	Injection Molding			
Physical	**Dry**	**Conditioned**	**Unit**	**Test Method**
Density	1.29	--	g/cm³	ISO 1183
Water Absorption				ISO 62
Saturation, 23°C	5.5	--	%	
Equilibrium, 23°C, 50% RH	2.2	--	%	
Mechanical	**Dry**	**Conditioned**	**Unit**	**Test Method**
Tensile Modulus	6750	--	MPa	ISO 527-2
Tensile Stress (Break)	140	--	MPa	ISO 527-2
Tensile Strain (Break)	3.0	--	%	ISO 527-2
Flexural Modulus	6200	--	MPa	ISO 178
Flexural Stress	220	--	MPa	ISO 178
Impact	**Dry**	**Conditioned**	**Unit**	**Test Method**
Charpy Notched Impact Strength	6.0	--	kJ/m²	ISO 179/1eA
Charpy Unnotched Impact Strength	35	--	kJ/m²	ISO 179/1eU
Thermal	**Dry**	**Conditioned**	**Unit**	**Test Method**
Heat Deflection Temperature (1.8 MPa, Unannealed)	250	--	°C	ISO 75-2/A

Vicat Softening Temperature	252	--	°C	ISO 306/B50
Electrical	Dry	Conditioned	Unit	Test Method
Surface Resistivity	--	5.1E+12	ohms	IEC 60093
Volume Resistivity	7.3E+13	--	ohms·cm	IEC 60093
Comparative Tracking Index	525	--	V	IEC 60112
Flammability	Dry	Conditioned	Unit	Test Method
Flame Rating (0.750 mm)	HB	--		UL 94
Injection	Dry	Unit		
Drying Temperature - Desiccant Dryer	80.0		°C	
Drying Time - Desiccant Dryer	2.0 to 12		hr	
Suggested Max Moisture	0.15		%	
Processing (Melt) Temp	280 to 300		°C	
Mold Temperature	80.0 to 120		°C	

Recommended distributors for this material

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