

ALTECH® PA66 A 1000/109

Polyamide 66
ALBIS PLASTIC GmbH

Message:

ALTECH® PA66 A 1000/109 is a Polyamide 66 (Nylon 66) product. It is available in Asia Pacific, Europe, or North America.
Characteristics include:
Flame Rated
REACH Compliant
RoHS Compliant
Good Mold Release
Heat Stabilizer

General Information				
UL YellowCard		E80168-250659		
Additive		Heat Stabilizer		
Features		Good Mold Release		
		Heat Stabilized		
		High Flow		
Agency Ratings		EC 1907/2006 (REACH)		
RoHS Compliance		RoHS Compliant		
Physical	Dry	Conditioned	Unit	Test Method
Density	1.16	--	g/cm ³	ISO 1183
Water Absorption				ISO 62
Saturation, 23°C	8.5	--	%	
Equilibrium, 23°C, 50% RH	2.8	--	%	
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus	3300	1600	MPa	ISO 527-2
Tensile Stress (Yield)	88.0	--	MPa	ISO 527-2
Tensile Strain				ISO 527-2
Yield	4.1	--	%	
Break	--	50	%	
Flexural Stress	115	75.0	MPa	ISO 178
Impact	Dry	Conditioned	Unit	Test Method
Charpy Notched Impact Strength	5.0	--	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength	No Break	--		ISO 179/1eU
Thermal	Dry	Conditioned	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	79.0	--	°C	ISO 75-2/A

Vicat Softening Temperature	242	--	°C	ISO 306/B50
Electrical	Dry	Conditioned	Unit	Test Method
Surface Resistivity	--	1.0E+3	ohms	IEC 60093
Volume Resistivity	1.0E+5	1.0E+10	ohms·cm	IEC 60093
Comparative Tracking Index (Solution A)	600	--	V	IEC 60112
Flammability	Dry	Conditioned	Unit	Test Method
Flame Rating				UL 94
1.50 mm	V-2	--		
3.00 mm	V-2	--		
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	270 to 290		°C	
Mold Temperature	40.0 to 80.0		°C	

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