

ALTECH® PA6 A 1000/109 1129-12LS

Polyamide 6
ALBIS PLASTIC GmbH

Message:

ALTECH® PA6 A 1000/109 1129-12LS is a Polyamide 6 (Nylon 6) product. It is available in Asia Pacific, Europe, or North America. Applications of ALTECH® PA6 A 1000/109 1129-12LS include handles and housings.

Characteristics include:

- Flame Rated
- REACH Compliant
- RoHS Compliant
- Good Mold Release
- High Flow

General Information				
Features		Good Mold Release		
		High Flow		
		Laser Markable		
Uses		Handles		
		Housings		
Agency Ratings		EC 1907/2006 (REACH)		
RoHS Compliance		RoHS Compliant		
Physical	Dry	Conditioned	Unit	Test Method
Density	1.13	--	g/cm ³	ISO 1183
Water Absorption				ISO 62
Saturation, 23°C	9.5	--	%	
Equilibrium, 23°C, 50% RH	3.0	--	%	
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus	3200	1500	MPa	ISO 527-2
Tensile Stress (Break)	85.0	45.0	MPa	ISO 527-2
Tensile Strain				ISO 527-2
Yield	10	--	%	
Break	10	> 50	%	
Flexural Modulus	2800	--	MPa	ISO 178
Flexural Stress	105	55.0	MPa	ISO 178
Impact	Dry	Conditioned	Unit	Test Method
Charpy Notched Impact Strength	4.0	--	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)	65.0	--	°C	ISO 75-2/A
Vicat Softening Temperature	200	--	°C	ISO 306/B50
Electrical	Dry	Conditioned	Unit	Test Method
Surface Resistivity	--	1.0E+3	ohms	IEC 60093
Volume Resistivity	1.0E+17	1.0E+12	ohms·cm	IEC 60093
Comparative Tracking Index	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	80.0		°C	
Drying Time	2.0 to 12		hr	
Suggested Max Moisture	0.15		%	
Processing (Melt) Temp	250 to 270		°C	
Mold Temperature	40.0 to 80.0		°C	

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