

ALTECH® PA66 B 1000/109

Polyamide 66
ALBIS PLASTIC GmbH

Message:

ALTECH® PA66 B 1000/109 is a polyamide 66 (nylon 66) product. It can be processed by injection molding and is available in North America, Europe or the Asia-Pacific region.

Features include:

- flame retardant/rated flame
- Comply with REACH standard
- ROHS certification
- heat stabilizer
- excellent release agent

General Information			
UL YellowCard	E80168-250661		
Additive	heat stabilizer		
Features	Thermal Stability		
	Good demoulding performance		
Agency Ratings	EC 1907/2006 (REACH)		
RoHS Compliance	RoHS compliance		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.40	g/cm³	ISO 1183
Water Absorption			ISO 62
Saturated, 23°C	8.5	%	ISO 62
Equilibrium, 23°C, 50% RH	2.8	%	ISO 62
Viscosity Number ¹ (96% H2SO4)	145	cm³/g	ISO 307
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	3200	MPa	ISO 527-2
Tensile Stress (Break)	75.0	MPa	ISO 527-2
Tensile Strain (Break)	15	%	ISO 527-2
Flexural Modulus	2900	MPa	ISO 178
Flexural Stress	120	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	6.0	kJ/m²	ISO 179/1eA
Charpy Unnotched Impact Strength	No Break		ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	70.0	°C	ISO 75-2/A
Vicat Softening Temperature	> 242	°C	ISO 306/B50
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	> 1.0E+12	ohms	IEC 60093

Volume Resistivity	1.0E+17	ohms·cm	IEC 60093
Comparative Tracking Index (Solution A)	600	V	IEC 60112
Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94
0.75 mm	V-2		UL 94
1.5 mm	V-2		UL 94
Injection	Nominal Value	Unit	
Drying Temperature - Desiccant Dryer	80	°C	
Drying Time - Desiccant Dryer	2.0 - 12	hr	
Processing (Melt) Temp	270 - 290	°C	
Mold Temperature	40 - 80	°C	
NOTE			
1.	5 g/l		

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

