

UNITIKA Nylon 66 A125

Polyamide 66
UNITIKA Plastics Division

Message:

UNITIKA Nylon 66 A125 is a Polyamide 66 (Nylon 66) material. It is available in Asia Pacific or North America. Primary attribute of UNITIKA Nylon 66 A125: Flame Rated.
Typical applications include:
Electrical/Electronic Applications
Automotive

General Information				
UL YellowCard		E47924-239996		
Features		General Purpose		
Uses		Automotive Electronics		
		Electrical Parts		
		Electrical/Electronic Applications		
Forms		Pellets		
Physical	Dry	Conditioned	Unit	Test Method
Density	1.14	1.14	g/cm³	ISO 1183
Molding Shrinkage				ISO 294-4
Across Flow : 3.20 mm	2.2	2.2	%	
Flow : 3.20 mm	1.6	1.6	%	
Water Absorption (Equilibrium, 23°C, 50% RH)	2.3	2.3	%	ISO 62
Hardness	Dry	Conditioned	Unit	Test Method
Rockwell Hardness (R-Scale)	120	108		ISO 2039-2
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus	3000	1000	MPa	ISO 527-2
Tensile Stress (Yield)	82.0	60.0	MPa	ISO 527-2
Tensile Strain (Break)	30	> 100	%	ISO 527-2
Flexural Modulus	3000	1000	MPa	ISO 178
Flexural Stress	113	43.0	MPa	ISO 178
Impact	Dry	Conditioned	Unit	Test Method
Charpy Notched Impact Strength	5.0	15	kJ/m²	ISO 179
Charpy Unnotched Impact Strength	No Break	No Break		ISO 179
Thermal	Dry	Conditioned	Unit	Test Method
Heat Deflection Temperature				
0.45 MPa, Unannealed	195	--	°C	ISO 75-2/B

1.8 MPa, Unannealed	70.0	--	°C	ISO 75-2/A
CLTE - Flow	9.0E-5	9.0E-5	cm/cm/°C	ISO 11359-2
Electrical	Dry	Conditioned	Unit	Test Method
Volume Resistivity	1.0E+14	--	ohms·cm	IEC 60093
Electric Strength (1.00 mm)	32	--	kV/mm	IEC 60243-1
Dielectric Constant (1 MHz)	3.40	--		IEC 60250
Dissipation Factor (1 MHz)	0.040	--		IEC 60250
Comparative Tracking Index	600	600	V	IEC 60112
Flammability	Dry	Conditioned	Unit	Test Method
Flame Rating (0.810 mm)	V-2	V-2		UL 94

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

