

Ultramid® 1403-2 NF3001

Polyamide 66

BASF Corporation

Message:

Ultramid 1403-2 NF3001 is a 13% glass reinforced, heat stabilized injection molding PA6/6.

General Information				
UL YellowCard		E36632-317184		
Filler / Reinforcement		Glass Fiber, 13% Filler by Weight		
Additive		Heat Stabilizer		
Features		Heat Stabilized		
Agency Ratings		EC 1907/2006 (REACH)		
RoHS Compliance		RoHS Compliant		
Forms		Pellets		
Processing Method		Injection Molding		
Physical	Dry	Conditioned	Unit	Test Method
Density	1.23	--	g/cm ³	ISO 1183
Water Absorption				ISO 62
Saturation, 23°C	7.4	--	%	
Equilibrium, 23°C, 50% RH	2.2	--	%	
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus (23°C)	6000	3900	MPa	ISO 527-2
Tensile Stress (Break, 23°C)	125	90.0	MPa	ISO 527-2
Tensile Strain (Break, 23°C)	3.0	13	%	ISO 527-2
Flexural Modulus (23°C)	5800	3000	MPa	ISO 178
Impact	Dry	Conditioned	Unit	Test Method
Charpy Notched Impact Strength				ISO 179
-30°C	4.5	6.0	kJ/m ²	
23°C	5.5	7.0	kJ/m ²	
Charpy Unnotched Impact Strength				ISO 179
-30°C	45	45	kJ/m ²	
23°C	55	65	kJ/m ²	
Notched Izod Impact Strength (23°C)				ISO 180
	5.2	6.0	kJ/m ²	
Thermal	Dry	Conditioned	Unit	Test Method
Heat Deflection Temperature				
0.45 MPa, Unannealed	262	--	°C	ISO 75-2/B
1.8 MPa, Unannealed	245	--	°C	ISO 75-2/A

Melting Temperature (DSC)	260	--	°C	ISO 3146
Injection	Dry	Unit		
Drying Temperature	60.0		°C	
Drying Time	1.0 to 2.0		hr	
Suggested Max Moisture	0.040 to 0.20		%	
Processing (Melt) Temp	288 to 305		°C	
Mold Temperature	60.0 to 100		°C	
Injection Pressure	3.50 to 12.5		MPa	
Injection Rate	Fast			
Back Pressure	0.00 to 0.350		MPa	
Screw Speed	40 to 80		rpm	
Screw Compression Ratio	3.0:1.0 to 4.0:1.0			

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

