

Ultramid® 1503-2 BK ND3007

Polyamide 66

BASF Corporation

Message:

Ultramid 1503-2 BK ND3007 is a 33% glass reinforced, heat stabilized, pigmented black injection molding PA6/6.

General Information				
UL YellowCard	E36632-317186			
Filler / Reinforcement	Glass Fiber,33% Filler by Weight			
Additive	Heat Stabilizer			
Features	Heat Stabilized			
Agency Ratings	EC 1907/2006 (REACH)			
RoHS Compliance	RoHS Compliant			
Appearance	Black			
Forms	Pellets			
Processing Method	Injection Molding			
Physical	Dry	Conditioned	Unit	Test Method
Density	1.40	--	g/cm ³	ISO 1183
Water Absorption				ISO 62
Saturation, 23°C	5.7	--	%	
Equilibrium, 23°C, 50% RH	1.7	--	%	
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus (23°C)	10800	--	MPa	ISO 527-2
Tensile Stress (Break, 23°C)	190	144	MPa	ISO 527-2
Flexural Modulus (23°C)	9900	--	MPa	ISO 178
Impact	Dry	Conditioned	Unit	Test Method
Charpy Notched Impact Strength				ISO 179
-30°C	8.0	--	kJ/m ²	
23°C	11	--	kJ/m ²	
Notched Izod Impact Strength (23°C)	10	--	kJ/m ²	ISO 180
Thermal	Dry	Conditioned	Unit	Test Method
Heat Deflection Temperature				
0.45 MPa, Unannealed	264	--	°C	ISO 75-2/B
1.8 MPa, Unannealed	255	--	°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

