

Ultramid® 1403-2 BK ND3007

Polyamide 66

BASF Corporation

Message:

Ultramid 1403-2 BK ND3007 is a 13% glass reinforced, pigmented black, heat stabilized injection molding PA6/6.

General Information				
UL YellowCard	E36632-317184			
Filler / Reinforcement	Glass Fabric, 13% 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	1.23	--	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

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