

EcoLon® 2200-BK1

Polyamide 66

Wellman Engineering Resins

Message:

EcoLon® 2200-BK1 is a Polyamide 66 (Nylon 66) material filled with 40% glass\mineral. It is available in Asia Pacific, Europe, Latin America, or North America for injection molding. Primary attribute of EcoLon® 2200-BK1: Eco-Friendly/Green.

Typical application of EcoLon® 2200-BK1: Automotive

General Information			
UL YellowCard	E44600-100968671		
Filler / Reinforcement	Glass\Mineral,40% Filler by Weight		
Recycled Content	Yes		
Appearance	Black		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.49	g/cm ³	ISO 1183
Molding Shrinkage			ISO 294-4
Across Flow : 23°C	0.80 to 1.2	%	
Flow : 23°C	0.30 to 0.70	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield, 23°C)	110	MPa	ISO 527-2
Tensile Strain (Yield, 23°C)	2.0	%	ISO 527-2
Flexural Modulus (23°C)	9300	MPa	ISO 178
Flexural Stress (23°C)	170	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength (23°C)	5.0	kJ/m ²	ISO 180
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	220	°C	ISO 75-2/A
Melting Temperature	260	°C	ISO 3146
Injection	Nominal Value	Unit	
Drying Temperature	79.4	°C	
Drying Time	2.0 to 4.0	hr	
Suggested Max Moisture	0.20	%	
Rear Temperature	282 to 304	°C	
Middle Temperature	282 to 293	°C	
Front Temperature	271 to 282	°C	
Nozzle Temperature	266 to 293	°C	
Processing (Melt) Temp	271 to 304	°C	
Mold Temperature	54.4 to 93.3	°C	
Injection Pressure	34.5 to 138	MPa	

Back Pressure	0.345	MPa
Screw Speed	30 to 120	rpm

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

