

EcoLon® MRGF1945-BK1

Polyamide 6

Wellman Engineering Resins

Message:

EcoLon® MRGF1945-BK1 is a Polyamide 6 (Nylon 6) material filled with 25% glass\mineral. It is available in Asia Pacific, Europe, Latin America, or North America.

General Information			
Filler / Reinforcement	Glass\Mineral,25% Filler by Weight		
Appearance	Black		
Physical	Nominal Value	Unit	Test Method
Density	1.32	g/cm ³	ISO 1183
Molding Shrinkage			ISO 294-4
Across Flow	1.1	%	
Flow	0.59	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	89.0	MPa	ISO 527-2
Tensile Strain (Break)	2.8	%	ISO 527-2
Flexural Modulus	5250	MPa	ISO 178
Flexural Stress	132	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Unnotched Izod Impact Strength	4.9	kJ/m ²	ISO 180
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	173	°C	ISO 75-2/A
Melting Temperature	220	°C	ISO 3146

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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



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