

Polimid B 30 GF V0HFR KW

Polyamide 6

Poliblend S.p.a.

Message:

Polimid B 30 GF V0HFR KW is a Polyamide 6 (Nylon 6) material filled with 30% glass fiber. It is available in Africa & Middle East, Asia Pacific, Europe, or Latin America.

Important attributes of Polimid B 30 GF V0HFR KW are:

Flame Rated

Flame Retardant

Halogen Free

Heat Resistant

General Information			
Filler / Reinforcement	Glass Fiber,30% Filler by Weight		
Additive	Flame Retardant		
Features	Good Thermal Aging Resistance		
	Halogen Free		
	Low (to None) Phosphorus Content		
	Self Extinguishing		
Appearance	Natural Color		
Physical	Nominal Value	Unit	Test Method
Density	1.44	g/cm ³	ISO 1183
Molding Shrinkage	0.40 to 0.60	%	
Water Absorption (23°C, 24 hr)	0.80	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	8800	MPa	ISO 527-2
Tensile Stress			ISO 527-2
Yield	130	MPa	
Break	130	MPa	
Tensile Strain			ISO 527-2
Yield	2.5	%	
Break	2.5	%	
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength	7.5	kJ/m ²	ISO 180/A
Unnotched Izod Impact Strength	62	kJ/m ²	ISO 180
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	208	°C	ISO 75-2/B
1.8 MPa, Unannealed	205	°C	ISO 75-2/A
Continuous Use Temperature ¹	120	°C	
Vicat Softening Temperature	220	°C	ISO 306/A120

Ball Pressure Test (165°C)	Pass		IEC 60695-10-2
Melting Temperature	222	°C	DSC
Electrical	Nominal Value	Unit	Test Method
Comparative Tracking Index	> 600	V	IEC 60112
Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94
0.800 mm	V-0		
1.60 mm	V-0		
3.20 mm	V-0		
Glow Wire Flammability Index (2.00 mm)	960	°C	IEC 60695-2-12
Glow Wire Ignition Temperature (2.00 mm)	800	°C	IEC 60695-2-13
Injection	Nominal Value	Unit	
Drying Temperature	90.0 to 100	°C	
Drying Time	> 3.0	hr	
Processing (Melt) Temp	230 to 260	°C	
Mold Temperature	70.0 to 90.0	°C	
NOTE			
1.	Without Load		

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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

