

DILAMID® 6 FVT 30 BLACK

Polyamide 6

Dilaplast S.p.A.

Message:

DILAMID® 6 FVT 30 BLACK is a Polyamide 6 (Nylon 6) material filled with 30% glass fiber. It is available in Europe for injection molding.

Typical application of DILAMID® 6 FVT 30 BLACK: Industrial Applications

General Information			
Filler / Reinforcement	Glass Fiber,30% Filler by Weight		
Uses	Industrial Applications		
Appearance	Black		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.36	g/cm ³	ISO 1183
Molding Shrinkage - Flow	0.30 to 0.35	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	140	MPa	ISO 527-2
Tensile Strain (Break)	3.0	%	ISO 527-2
Flexural Modulus	6.50	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength (23°C)	7.0	kJ/m ²	ISO 180
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	200	°C	ISO 75-2/A
Vicat Softening Temperature	205	°C	ISO 306/B50
Electrical	Nominal Value	Unit	Test Method
Dielectric Strength	21	kV/mm	ASTM D149
Comparative Tracking Index	500	V	IEC 60112
Flammability	Nominal Value	Unit	Test Method
Glow Wire Ignition Temperature (2.00 mm)	650	°C	IEC 60695-2-13
Injection	Nominal Value	Unit	
Drying Temperature	70.0 to 90.0	°C	
Drying Time	2.0 to 8.0	hr	
Suggested Max Moisture	0.20	%	
Rear Temperature	240 to 280	°C	
Middle Temperature	250 to 290	°C	
Front Temperature	260 to 300	°C	
Nozzle Temperature	255 to 295	°C	
Processing (Melt) Temp	260 to 300	°C	
Mold Temperature	70.0 to 110	°C	

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