

DILAMID® 6 NATURAL

Polyamide 6

Dilaplast S.p.A.

Message:

DILAMID® 6 NATURAL is a polyamide 6 (nylon 6) material. This product is available in Europe, and the processing method is injection molding.
DILAMID® The main characteristics of the 6 NATURAL are: medium viscosity.

General Information			
Features	Medium viscosity		
Appearance	Natural color		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.14	g/cm ³	ISO 1183
Molding Shrinkage - Flow	1.1 - 1.5	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	70.0	MPa	ISO 527-2
Tensile Strain (Break)	20	%	ISO 527-2
Flexural Modulus	2.50	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	6.0	kJ/m ²	ISO 180
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	70.0	°C	ISO 75-2/A
Vicat Softening Temperature	190	°C	ISO 306/B50
Electrical	Nominal Value	Unit	Test Method
Dielectric Strength	18	kV/mm	ASTM D149
Comparative Tracking Index	500	V	IEC 60112
Flammability	Nominal Value	Unit	Test Method
Glow Wire Ignition Temperature (2.00 mm)	750	°C	IEC 60695-2-13
Additional Information			
Available also in version WW (Elastomer modified free conditioning) and ELT (Elastomer modified high impact). Notched Izod Impact Strength, ISO 180, 23°C: >6 kJ/m ² Tensile Strain at Break, ISO 527-1, -2: >20% Comparative Track Index, IEC 60112: >500 V			
Injection	Nominal Value	Unit	
Drying Temperature	70.0 - 90.0	°C	
Drying Time	2.0 - 8.0	hr	
Suggested Max Moisture	0.20	%	
Rear Temperature	220 - 250	°C	
Middle Temperature	230 - 270	°C	
Front Temperature	235 - 275	°C	
Nozzle Temperature	230 - 270	°C	

Processing (Melt) Temp	235 - 275	°C
Mold Temperature	60.0 - 90.0	°C

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