

Kelon® B H CET/30

Polyamide 6

LATI S.p.A.

Message:

Compound based on Polyamide 6 (PA 6).

Heat stabilised. Mineral filler. Product UL certified.

Very high dimensional stability. Good elongation.

General Information			
UL YellowCard	E54080-243963		
Filler / Reinforcement	Mineral,30% Filler by Weight		
Additive	Heat Stabilizer		
Features	Good Dimensional Stability		
	Heat Stabilized		

Physical	Nominal Value	Unit	Test Method
Density	1.38	g/cm ³	ISO 1183
Molding Shrinkage ¹			ISO 294-4
Across Flow : 2.00 mm	0.40 to 0.65	%	
Flow : 2.00 mm	0.35 to 0.60	%	

Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus			ISO 527-2/1
23°C	6500	MPa	
60°C	4200	MPa	
90°C	2200	MPa	
120°C	1700	MPa	
150°C	1500	MPa	
Tensile Stress			ISO 527-2/5
Break, 23°C	70.0	MPa	
Break, 60°C	55.0	MPa	
Break, 90°C	30.0	MPa	
Break, 120°C	22.0	MPa	
Break, 150°C	20.0	MPa	
Tensile Strain			ISO 527-2/5
Break, 23°C	2.5	%	
Break, 60°C	3.8	%	
Break, 90°C	9.0	%	
Break, 120°C	18	%	
Break, 150°C	30	%	

Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	3.0	kJ/m ²	ISO 179/1eA

Charpy Unnotched Impact Strength (23°C)	35	kJ/m ²	ISO 179/1eU
Notched Izod Impact (23°C, 3.20 mm)	35	J/m	ASTM D256A
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	210	°C	ISO 75-2/B
1.8 MPa, Unannealed	155	°C	ISO 75-2/A
Continuous Use Temperature ²	125	°C	
Vicat Softening Temperature	200	°C	ISO 306/B50
CLTE - Flow (30 to 100°C)	3.0E-5	cm/cm/°C	ASTM D696
Flammability	Nominal Value		Test Method
Flame Rating			UL 94
0.750 mm	HB		
1.50 mm	HB		
3.00 mm	HB		
Injection	Nominal Value	Unit	
Drying Temperature	90.0 to 100	°C	
Drying Time	3.0	hr	
Processing (Melt) Temp	240 to 290	°C	
Mold Temperature	80.0 to 100	°C	
Injection Rate	Moderate		
NOTE			
1.	at 60 Mpa of cavity pressure		
2.	20,000 hr		

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