

Kelon® B H CETG/300

Polyamide 6

LATI S.p.A.

Message:

Compound based on Polyamide 6 (PA 6).

Heat stabilised. Mineral filler / Glass fibres. Product UL certified.

General Information			
UL YellowCard	E54080-243964		
Filler / Reinforcement	Glass\Mineral,30% Filler by Weight		
Additive	Heat Stabilizer		
Features	Heat Stabilized		
Physical	Nominal Value	Unit	Test Method
Density	1.37	g/cm ³	ISO 1183
Molding Shrinkage ¹			ISO 294-4
Across Flow : 2.00 mm	0.45 to 0.70	%	
Flow : 2.00 mm	0.35 to 0.55	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus			ISO 527-2/1
23°C	8600	MPa	
60°C	6300	MPa	
90°C	3000	MPa	
120°C	2200	MPa	
150°C	1700	MPa	
Tensile Stress			ISO 527-2/5
Break, 23°C	80.0	MPa	
Break, 60°C	60.0	MPa	
Break, 90°C	35.0	MPa	
Break, 120°C	30.0	MPa	
Break, 150°C	25.0	MPa	
Tensile Strain			ISO 527-2/5
Break, 23°C	2.5	%	
Break, 60°C	3.2	%	
Break, 90°C	7.0	%	
Break, 120°C	15	%	
Break, 150°C	25	%	
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	4.0	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	30	kJ/m ²	ISO 179/1eU
Notched Izod Impact (23°C, 3.20 mm)	40	J/m	ASTM D256A

Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	215	°C	ISO 75-2/B
1.8 MPa, Unannealed	185	°C	ISO 75-2/A
Continuous Use Temperature ²	130	°C	
Vicat Softening Temperature	205	°C	ISO 306/B50
CLTE - Flow (30 to 100°C)	2.5E-5	cm/cm/°C	ASTM D696
Flammability	Nominal Value	Test Method	
Flame Rating (1.50 mm)	HB	UL 94	
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		

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

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

