

Kelon® B H CER/30

Polyamide 6

LATI S.p.A.

Message:

Compound based on Polyamide 6 (PA 6).

Heat stabilised. Mineral filler.

Very high dimensional stability. Good elongation.

General Information			
Filler / Reinforcement	Mineral,30% Filler by Weight		
Additive	Heat Stabilizer		
Features	Good Dimensional Stability		
	Heat Stabilized		

Physical	Nominal Value	Unit	Test Method
Density	1.36	g/cm ³	ISO 1183
Molding Shrinkage ¹			ISO 294-4
Across Flow : 2.00 mm	1.1 to 1.4	%	
Flow : 2.00 mm	1.0 to 1.3	%	

Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus			ISO 527-2/1
23°C	4900	MPa	
60°C	3000	MPa	
90°C	1900	MPa	
120°C	1600	MPa	
150°C	1100	MPa	
Tensile Stress			ISO 527-2/5
Break, 23°C	80.0	MPa	
Break, 60°C	45.0	MPa	
Break, 90°C	35.0	MPa	
Break, 120°C	25.0	MPa	
Break, 150°C	20.0	MPa	
Tensile Strain			ISO 527-2/5
Break, 23°C	3.5	%	
Break, 60°C	4.5	%	
Break, 90°C	10	%	
Break, 120°C	20	%	
Break, 150°C	35	%	

Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	7.0	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)	65	J/m	ASTM D256A
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	200	°C	ISO 75-2/B
1.8 MPa, Unannealed	85.0	°C	ISO 75-2/A
Continuous Use Temperature ²	125	°C	
Vicat Softening Temperature	210	°C	ISO 306/B50
CLTE - Flow (30 to 100°C)	4.0E-5	cm/cm/°C	ASTM D696
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	Fast		
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



WECHAT