Kelon® B FR H CETG/250-V0

Polyamide 6

LATI S.p.A.

Message:

Polyamide 6 (PA6) based compound.
Heat stabilised. Glass fibres / Mineral filler. UL94 V-0 classified, with brominated flame retardants, PBB/PBDE free.

General Information	
Filler / Reinforcement	Glass\Mineral
Additive	Flame Retardant Heat Stabilizer
Features	Brominated Flame Retardant Heat Stabilized

Physical	Nominal Value	Unit	Test Method
Density	1.56	g/cm³	ISO 1183
Molding Shrinkage [1]			ISO 294-4
Across Flow : 2.00 mm	0.40 to 0.65	%	
Flow : 2.00 mm	0.30 to 0.50	%	
Water Absorption (23°C, 24 hr)	0.32	%	ISO 62
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus			ISO 527-2/1
23°C	10000	MPa	
60°C	7200	MPa	
90°C	4500	MPa	
120°C	3500	MPa	
150°C	2600	MPa	
Tensile Stress			ISO 527-2/5
Break, 23°C	90.0	MPa	
Break, 60°C	75.0	MPa	
Break, 90°C	60.0	MPa	
Break, 120°C	50.0	MPa	
Break, 150°C	35.0	MPa	
Tensile Strain			ISO 527-2/5
Break, 23°C	2.0	%	
Break, 60°C	2.5	%	
Break, 90°C	6.2	%	
Break, 120°C	10	%	

Break, 150°C	15	%	
Impact	**Nominal Value**	**Unit**	**Test Method**
Charpy Notched Impact Strength			ISO 179/1eA
-20°C	4.0	kJ/m²	
23°C	5.0	kJ/m²	
Charpy Unnotched Impact Strength			ISO 179/1eU
-20°C	25	kJ/m²	
23°C	25	kJ/m²	
Thermal	**Nominal Value**	**Unit**	**Test Method**
Heat Deflection Temperature			
0.45 MPa, Unannealed	210	°C	ISO 75-2/B
1.8 MPa, Unannealed	190	°C	ISO 75-2/A
Continuous Use Temperature [2]	115	°C	
Vicat Softening Temperature	190	°C	ISO 306/B50
CLTE - Flow (30 to 100°C)	3.0E-5	cm/cm/°C	ISO 11359-2
Electrical	**Nominal Value**	**Unit**	**Test Method**
Comparative Tracking Index (Solution A)	500	V	IEC 60112
Flammability	**Nominal Value**	**Unit**	**Test Method**
Flame Rating			UL 94
0.750 mm	V-0		
1.50 mm	V-0		
3.00 mm	V-0		
Glow Wire Flammability Index			IEC 60695-2-12
1.00 mm	960	°C	
2.00 mm	960	°C	
Glow Wire Ignition Temperature			IEC 60695-2-13
1.00 mm	825	°C	
2.00 mm	800	°C	
Oxygen Index	32	%	ASTM D2863
Additional Information	**Nominal Value**		
Dimensional Stability	65.0		
Injection	**Nominal Value**	**Unit**	
Drying Temperature	90.0 to 100	°C	
Drying Time	3.0	hr	
Suggested Max Regrind	15	%	
Processing (Melt) Temp	240 to 260	°C	
Mold Temperature	70.0 to 100	°C	
Injection Rate	Moderate		
NOTE			
1.	60 MPa		
2.	20,000 hr		

Recommended distributors for this material

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