Kelon® A FR H2 CETG/300-V0

Polyamide 66

LATI S.p.A.

Message:

Compound based on Polyamide 66 (PA 66).
Heat stabilised. Mineral filler / Glass fibres. UL94 V-0 classified, with halogens, PBB/PBDE and antimonium trioxide free. Product UL certified.
Low thermal expansion coefficient. Very high dimensional stability.

General Information	
UL YellowCard	E54080-243987
Filler / Reinforcement	Glass\Mineral,30% Filler by Weight
Additive	Flame Retardant
	Heat Stabilizer
Features	Antimony Free
	Flame Retardant
	Good Dimensional Stability
	Halogenated
	Heat Stabilized

Physical	Nominal Value	Unit	Test Method
Density	1.61	g/cm³	ISO 1183
Molding Shrinkage [1]			ISO 294-4
Across Flow : 2.00 mm	0.90 to 1.2	%	
Flow : 2.00 mm	0.90 to 1.2	%	
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus			ISO 527-2/1
23°C	10200	MPa	
60°C	8000	MPa	
90°C	4800	MPa	
120°C	3300	MPa	
150°C	2800	MPa	
Tensile Stress			ISO 527-2/5
Yield, 90°C	40.0	MPa	
Yield, 120°C	30.0	MPa	
Yield, 150°C	25.0	MPa	
Break, 23°C	80.0	MPa	
Break, 60°C	65.0	MPa	
Break, 90°C	45.0	MPa	
Break, 120°C	35.0	MPa	

Break, 150°C	30.0	MPa	
Tensile Strain			ISO 527-2/5
Yield, 90°C	5.0	%	
Yield, 120°C	7.0	%	
Yield, 150°C	10	%	
Break, 23°C	1.6	%	
Break, 60°C	2.7	%	
Break, 90°C	7.0	%	
Break, 120°C	12	%	
Break, 150°C	20	%	
Impact	**Nominal Value**	**Unit**	**Test Method**
Charpy Notched Impact Strength			ISO 179/1eA
-20°C	2.0	kJ/m^2	
23°C	2.0	kJ/m^2	
Charpy Unnotched Impact Strength			ISO 179/1eU
-20°C	20	kJ/m^2	
23°C	20	kJ/m^2	
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	215	°C	ISO 75-2/B
1.8 MPa, Unannealed	120	°C	ISO 75-2/A
Continuous Use Temperature [2]	115	°C	
Vicat Softening Temperature	235	°C	ISO 306/B50
CLTE - Flow (30 to 100°C)	1.5E-5	cm/cm/°C	ASTM D696
Electrical	**Nominal Value**	**Unit**	**Test Method**
Comparative Tracking Index [3] (Solution A)	300	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	850	°C	
2.00 mm	775	°C	
Oxygen Index	36	%	ASTM D2863
Injection	**Nominal Value**	**Unit**	
Drying Temperature	90.0 to 100	°C	
Drying Time	3.0	hr	

Processing (Melt) Temp	270 to 290	°C
Mold Temperature	70.0 to 100	°C
Injection Rate	Moderate	

NOTE	
1.	at 60 Mpa of cavity pressure
2.	20,000 hr
3.	Without Surfactant

Recommended distributors for this material

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