Kelon® A FR H2 CET/35-V2

Polyamide 66

LATI S.p.A.

Message:

Polyamide 66 (PA66) based compound.
Heat stabilised. Mineral filler. UL94 V-2 classified, with brominated flame retardants, PBB/PBDE free.

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

Physical	Nominal Value	Unit	Test Method
Density	1.57	g/cm³	ISO 1183
Molding Shrinkage [1]			ISO 294-4
Across Flow : 2.00 mm	0.60 to 0.75	%	
Flow : 2.00 mm	0.50 to 0.70	%	
Water Absorption (23°C, 24 hr)	0.27	%	ISO 62
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus			ISO 527-2/1
23°C	9500	MPa	
60°C	7300	MPa	
90°C	3800	MPa	
120°C	2100	MPa	
150°C	1600	MPa	
Tensile Stress			ISO 527-2/5
Yield, 90°C	35.0	MPa	
Yield, 120°C	25.0	MPa	
Yield, 150°C	20.0	MPa	
Break, 23°C	70.0	MPa	
Break, 60°C	55.0	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
Yield, 90°C	6.0	%	

Yield, 120°C	10	%	
Yield, 150°C	> 10	%	
Break, 23°C	1.5	%	
Break, 60°C	2.5	%	
Break, 90°C	7.0	%	
Break, 120°C	15	%	
Break, 150°C	25	%	
Impact	**Nominal Value**	**Unit**	**Test Method**
Charpy Notched Impact Strength			ISO 179/1eA
-20°C	2.0	kJ/m^2	
23°C	3.0	kJ/m^2	
Charpy Unnotched Impact Strength			ISO 179/1eU
-20°C	25	kJ/m^2	
23°C	25	kJ/m^2	
Thermal	**Nominal Value**	**Unit**	**Test Method**
Heat Deflection Temperature			
0.45 MPa, Unannealed	210	°C	ISO 75-2/B
1.8 MPa, Unannealed	165	°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	ISO 11359-2
Electrical	**Nominal Value**	**Unit**	**Test Method**
Comparative Tracking Index (Solution A)	600	V	IEC 60112
Flammability	**Nominal Value**	**Unit**	**Test Method**
Flame Rating			UL 94
0.750 mm	V-2		
1.50 mm	V-2		
3.00 mm	V-2		
Glow Wire Flammability Index			IEC 60695-2-12
1.00 mm	960	°C	
2.00 mm	960	°C	
Oxygen Index	28	%	ASTM D2863
Additional Information	**Nominal Value**		
Dimensional Stability	79.0		
Injection	**Nominal Value**	**Unit**	
Drying Temperature	90.0 to 100	°C	
Drying Time	3.0	hr	
Suggested Max Regrind	15	%	
Processing (Melt) Temp	270 to 290	°C	
Mold Temperature	70.0 to 100	°C	
Injection Rate	Moderate		
NOTE			

1.	60 MPa
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