

KELON B H CET/30

 LATI INDUSTRIA TERMOPLASTICI SPA - *Polyamide 6*
General Information
Product Description

Compound based on Polyamide 6 (PA 6). Mineral filler. Very high dimensional stability. Good elongation. PFAS-free product.

General

Material Status	• Commercial: Active
Availability	• Africa & Middle East • Europe • North America • Asia Pacific • Latin America
Filler / Reinforcement	• Mineral
Features	• PFAS Free

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density (73°F)	1.38	g/cm ³	ISO 1183
Molding Shrinkage ²			ISO 294-4
Across Flow : 0.0787 in	0.50 to 0.70	%	
Flow : 0.0787 in	0.40 to 0.60	%	
Water Absorption ³ (Saturation, 73°F)	2.2	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus			ISO 527-1/1
73°F	1.00E+6	psi	
140°F	406000	psi	
194°F	203000	psi	
248°F	174000	psi	
302°F	126000	psi	
Tensile Stress			ISO 527-2/5
Yield, 140°F	3630	psi	
Yield, 194°F	2180	psi	
Yield, 248°F	1450	psi	
Yield, 302°F	725	psi	
Tensile Stress			ISO 527-2/5
Break, 73°F	9430	psi	
Break, 140°F	5800	psi	
Break, 194°F	4350	psi	
Break, 248°F	3630	psi	
Break, 302°F	2900	psi	
Tensile Strain			ISO 527-2/5
Yield, 140°F	1.3	%	
Yield, 194°F	2.0	%	
Yield, 248°F	2.4	%	
Yield, 302°F	2.4	%	
Tensile Strain			ISO 527-2/5
Break, 73°F	2.6	%	
Break, 140°F	20	%	
Break, 194°F	40	%	
Break, 248°F	45	%	
Break, 302°F	50	%	
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (73°F)	1.9	ft·lb/in ²	ISO 179/1eA



Charpy Unnotched Impact Strength (73°F)	19 ft·lb/in ²	ISO 179/1eU
Thermal	Nominal Value Unit	Test Method
Deflection Temperature Under Load (66 psi, Unannealed)	392 °F	ISO 75-2/B
Deflection Temperature Under Load (264 psi, Unannealed)	248 °F	ISO 75-2/A
Vicat Softening Temperature	383 °F	ISO 306/B120
CLTE - Flow (86 to 212°F)	2.2E-5 in/in/°F	ISO 11359-2
CLTE - Transverse (86 to 212°F)	2.8E-5 in/in/°F	ISO 11359-2
Thermal Conductivity		ASTM E1461
-- ⁴	1.4 Btu·in/hr/ft ² /°F	
-- ⁵	2.1 Btu·in/hr/ft ² /°F	
Electrical	Nominal Value Unit	Test Method
Surface Resistivity	1.0E+12 ohms	ASTM D257
Dielectric Strength (73°F, 0.0787 in, Method A (Short-Time))	510 V/mil	ASTM D149
Flammability	Nominal Value Unit	Test Method
Flame Rating		UL 94
0.030 in	HB	
0.06 in	HB	
0.12 in	HB	

Notes

¹ Typical properties: these are not to be construed as specifications.

² 60 MPa

³ in air

⁴ through plane

⁵ in plane

