

LATICONTER 62 GR/70

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

High thermal conductivity product based on Polyamide 6 (PA 6). Graphite. PFAS-free product.

General

Material Status	• Commercial: Active		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Additive	• Graphite Powder Lubricant		
Features	• Lubricated	• PFAS Free	• Thermally Conductive

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density (73°F)	1.72	g/cm ³	ISO 1183
Molding Shrinkage ²			ISO 294-4
Across Flow : 0.0787 in	0.25 to 0.65	%	
Flow : 0.0787 in	0.25 to 0.40	%	
Water Absorption ³ (Saturation, 73°F)	0.80	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus			ISO 527-1/1
73°F	1.74E+6	psi	
140°F	1.38E+6	psi	
194°F	740000	psi	
248°F	508000	psi	
302°F	435000	psi	
Tensile Stress			ISO 527-2/5
Break, 73°F	5080	psi	
Break, 140°F	4350	psi	
Break, 194°F	3630	psi	
Break, 248°F	2900	psi	
Break, 302°F	2180	psi	
Tensile Strain			ISO 527-2/5
Break, 73°F	0.40	%	
Break, 140°F	0.60	%	
Break, 194°F	1.0	%	
Break, 248°F	1.1	%	
Break, 302°F	1.2	%	
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-4°F	1.0	ft·lb/in ²	
73°F	0.95	ft·lb/in ²	
Charpy Unnotched Impact Strength			ISO 179/1eU
-4°F	1.3	ft·lb/in ²	
73°F	1.6	ft·lb/in ²	
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (66 psi, Unannealed)	419	°F	ISO 75-2/B
Deflection Temperature Under Load (264 psi, Unannealed)	374	°F	ISO 75-2/A
Vicat Softening Temperature	401	°F	ISO 306/B120
CLTE - Flow (86 to 212°F)	1.1E-5	in/in/°F	ISO 11359-2



CLTE - Transverse (86 to 212°F)	1.4E-5	in/in/°F	ISO 11359-2
Thermal Conductivity			ASTM E1461
-- 4		28	Btu·in/hr/ft ² /°F
-- 5		190	Btu·in/hr/ft ² /°F
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	10	ohms	ASTM D257
Volume Resistivity	1.0E+2	ohms·cm	ASTM D257
Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94
0.06 in		HB	
0.12 in		V-0	

Notes

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

² 60 MPa

³ in air

⁴ through plane

⁵ in plane

