

LATILUB 95-20T G/30

 LATI INDUSTRIA TERMOPLASTICI SPA - *Polysulfone*
General Information
Product Description

Self-lubricating product based on Polysulphone (PSU). PTFE. Glass fibres. Intrinsically flame retardant.

General

Material Status	• Commercial: Active
Availability	• Africa & Middle East • Europe • North America • Asia Pacific • Latin America
Filler / Reinforcement	• Glass Fiber
Additive	• PTFE Lubricant
Features	• Flame Retardant • Lubricated • High Heat Resistance • Self Lubricating
Uses	• High Temperature Applications

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density (73°F)	1.61	g/cm ³	ISO 1183
Molding Shrinkage ²			ISO 294-4
Across Flow : 0.0787 in	0.40 to 0.75	%	
Flow : 0.0787 in	0.20 to 0.50	%	
Water Absorption			ISO 62
Saturation, 73°F ³	0.50	%	
Saturation, 73°F ⁴	0.15	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (73°F)	1.33E+6	psi	ISO 527-1/1
Tensile Stress (Break, 73°F)	12300	psi	ISO 527-2/5
Tensile Strain (Break, 73°F)	1.2	%	ISO 527-2/5
Coefficient of Friction ⁵			Internal Method
Dynamic	0.35		
Static	0.31		
Wear Factor ⁶	1700	10 ⁻¹⁰ in ³ ·min/ft·lb·hr	Internal Method
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (73°F)	3.3	ft·lb/in ²	ISO 179/1eA
Charpy Unnotched Impact Strength (73°F)	9.5	ft·lb/in ²	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (66 psi, Unannealed)	356	°F	ISO 75-2/B
Deflection Temperature Under Load (264 psi, Unannealed)	356	°F	ISO 75-2/A
Vicat Softening Temperature	365	°F	ISO 306/B120
CLTE - Flow (86 to 212°F)	5.6E-6	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
-- ⁷	1.4	Btu·in/hr/ft ² /°F	
-- ⁸	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))	480	V/mil	ASTM D149
Comparative Tracking Index ⁹ (Solution A)	125	V	IEC 60112
Flammability	Nominal Value	Unit	Test Method



Flame Rating		UL 94
0.06 in	V-1	
0.12 in	V-0	
Oxygen Index	33 %	ASTM D2863

Notes

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

² 60 MPa

³ in water

⁴ in air

⁵ ISO 7148-2 (speed 0.126 m/s, load 10N)

⁶ ISO 7148-2 (speed 0.126 m/s, load 10N, path length 13.6km)

⁷ in plane

⁸ through plane

⁹ without surfactant

