

LATILUB 95-25GR CE/10

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

Self-lubricating product based on Polysulphone (PSU). Graphite. Mineral filler. PFAS-free product.

General

Material Status	• Commercial: Active
Availability	• Africa & Middle East • Europe • Asia Pacific • Latin America • North America
Filler / Reinforcement	• Mineral
Additive	• Graphite Powder Lubricant
Features	• High Heat Resistance • PFAS Free • Lubricated • Self Lubricating
Uses	• High Temperature Applications

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density (73°F)	1.47	g/cm ³	ISO 1183
Molding Shrinkage ²			ISO 294-4
Across Flow : 0.0787 in	0.40 to 0.70	%	
Flow : 0.0787 in	0.35 to 0.65	%	
Water Absorption ³ (Saturation, 73°F)	0.15	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (73°F)	1.09E+6	psi	ISO 527-1/1
Tensile Stress (Break, 73°F)	8700	psi	ISO 527-2/5
Tensile Strain (Break, 73°F)	1.2	%	ISO 527-2/5
Coefficient of Friction ⁴			Internal Method
Dynamic	0.37		
Static	0.33		
Wear Factor ⁵	1500	10 ⁻¹⁰ in ³ ·min/ft·lb·hr	Internal Method
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (73°F)	0.95	ft·lb/in ²	ISO 179/1eA
Charpy Unnotched Impact Strength (73°F)	5.7	ft·lb/in ²	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (66 psi, Unannealed)	365	°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)	8.3E-6	in/in/°F	ISO 11359-2
CLTE - Transverse (86 to 212°F)	8.3E-6	in/in/°F	ISO 11359-2
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))	460	V/mil	ASTM D149
Comparative Tracking Index ⁶ (Solution A)	125	V	IEC 60112

