

LATISHIELD 85-08A G/20

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

EMI shielding product based on Polyethersulphone (PESU). Steel fibres. Glass fibres. Intrinsically flame retardant. PFAS-free product.

General

Material Status	• Commercial: Active		
Availability	• Africa & Middle East	• Europe	• North America
	• Asia Pacific	• Latin America	
Filler / Reinforcement	• Glass Fiber	• Stainless Steel Fiber	
Features	• Electromagnetic Shielding (EMI)	• High Heat Resistance	
	• Flame Retardant	• PFAS Free	
Uses	• High Temperature Applications		

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density (73°F)	1.58	g/cm ³	ISO 1183
Molding Shrinkage ²			ISO 294-4
Across Flow : 0.0787 in	0.75 to 0.95	%	
Flow : 0.0787 in	0.70 to 0.90	%	
Water Absorption			ISO 62
Saturation, 73°F ³	1.6	%	
Saturation, 73°F ⁴	0.75	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (73°F)	986000	psi	ISO 527-1/1
Tensile Stress (Break, 73°F)	16000	psi	ISO 527-2/5
Tensile Strain (Break, 73°F)	2.2	%	ISO 527-2/5
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (73°F)	2.4	ft-lb/in ²	ISO 179/1eA
Charpy Unnotched Impact Strength (73°F)	17	ft-lb/in ²	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (66 psi, Unannealed)	410	°F	ISO 75-2/B
Deflection Temperature Under Load (264 psi, Unannealed)	392	°F	ISO 75-2/A
Vicat Softening Temperature	392	°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)	2.8E-5	in/in/°F	ISO 11359-2
Thermal Conductivity			ASTM E1461
-- ⁵	2.1	Btu-in/hr/ft ² /°F	
-- ⁶	2.1	Btu-in/hr/ft ² /°F	
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	8.0	ohms	ASTM D257
Electromagnetic Reflection - Bekiscan - CP	90	%	
Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94
0.030 in	V-0		
0.06 in	V-0		
0.12 in	V-0		

