

LATIMASS 82-02 D030

LATI INDUSTRIA TERMOPLASTICI SPA - *Polyamide 12*

General Information

Product Description

Specified density compound based on Polyamide 12 (PA 12). PFAS-free product.

General

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

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density (73°F)	2.91	g/cm ³	ISO 1183
Molding Shrinkage ²			ISO 294-4
Across Flow : 0.0787 in	0.65 to 0.85	%	
Flow : 0.0787 in	0.65 to 0.85	%	
Water Absorption ³ (Saturation, 73°F)	0.60	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (73°F)	725000	psi	ISO 527-1/1
Tensile Stress (Break, 73°F)	5800	psi	ISO 527-2/5
Tensile Strain (Break, 73°F)	1.0	%	ISO 527-2/5
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (73°F)	1.4	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)	284	°F	ISO 75-2/B
Deflection Temperature Under Load (264 psi, Unannealed)	185	°F	ISO 75-2/A
Vicat Softening Temperature	320	°F	ISO 306/B120
CLTE - Flow (86 to 212°F)	4.2E-5	in/in/°F	ISO 11359-2
CLTE - Transverse (86 to 212°F)	4.2E-5	in/in/°F	ISO 11359-2
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+12	ohms	ASTM D257

Notes

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

² 60 MPa

³ in air

