

LATILON 28D-V0

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

Compound based on Polycarbonate (PC). Flame retardant, UL94 V-0 class, free of brominated and chlorinated halogens-based flame retardants. Low smoke density and low toxicity index. Very high dimensional stability. Very good surface appearance.

General

Material Status	• Commercial: Active		
Availability	• Africa & Middle East	• Europe	• North America
	• Asia Pacific	• Latin America	
Additive	• Flame Retardant		
Features	• Bromine Free	• Chlorine Free	• Flame Retardant

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density (73°F)	1.21	g/cm ³	ISO 1183
Molding Shrinkage ²			ISO 294-4
Across Flow : 0.0787 in	0.60 to 0.75	%	
Flow : 0.0787 in	0.50 to 0.75	%	
Water Absorption ³ (Saturation, 73°F)	0.12	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus			ISO 527-1/1
73°F	348000	psi	
140°F	305000	psi	
194°F	261000	psi	
248°F	232000	psi	
Tensile Stress			ISO 527-2/5
Yield, 73°F	9430	psi	
Yield, 140°F	7980	psi	
Yield, 194°F	7250	psi	
Yield, 248°F	5080	psi	
Tensile Stress			ISO 527-2/5
Break, 73°F	7250	psi	
Break, 140°F	2900	psi	
Break, 194°F	No Break		
Break, 248°F	No Break		
Tensile Strain			ISO 527-2/5
Yield, 73°F	6.0	%	
Yield, 140°F	5.0	%	
Yield, 194°F	4.0	%	
Yield, 248°F	3.0	%	
Tensile Strain			ISO 527-2/5
Break, 73°F	80	%	
Break, 140°F	90	%	
Break, 194°F	> 50	%	
Break, 248°F	> 50	%	
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-4°F	3.8	ft·lb/in ²	
73°F	4.8	ft·lb/in ²	



Charpy Unnotched Impact Strength		ISO 179/1eU
-4°F	No Break	
73°F	No Break	
Thermal	Nominal Value	Unit
Deflection Temperature Under Load (66 psi, Unannealed)	275	°F
Deflection Temperature Under Load (264 psi, Unannealed)	257	°F
Vicat Softening Temperature	293	°F
CLTE - Flow (86 to 212°F)	3.9E-5	in/in/°F
CLTE - Transverse (86 to 212°F)	3.9E-5	in/in/°F
Electrical	Nominal Value	Unit
Surface Resistivity	1.0E+12	ohms
Dielectric Strength (73°F, 0.0787 in, Method A (Short-Time))	460	V/mil
Comparative Tracking Index ⁴ (Solution A)	200	V
Flammability	Nominal Value	Unit
Flame Rating		
0.030 in	V-2	
0.06 in	V-2	
0.12 in	V-0	
Glow Wire Flammability Index (0.04 in)	1560	°F
Oxygen Index	37	%
		ASTM D2863

Notes

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

² 60 MPa

³ in air

⁴ Without surfactant

