

LATIBLEND 6252 H2 G/30

LATI INDUSTRIA TERMOPLASTICI SPA - *Polyamide 6 + PP*

General Information

Product Description

Blend based on Polyamide 6 (PA 6) / Polypropylene homopolymer (PPh). Improved thermal stabilisation. Glass fibres. Good thermal properties. PFAS-free product.

General

Material Status	• Commercial: Active		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Filler / Reinforcement	• Glass Fiber		
Features	• Good Thermal Stability	• Homopolymer	• PFAS Free

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density (73°F)	1.25	g/cm ³	ISO 1183
Molding Shrinkage ²			ISO 294-4
Across Flow : 0.0787 in	0.80 to 1.1	%	
Flow : 0.0787 in	0.35 to 0.50	%	
Water Absorption ³ (Saturation, 73°F)	1.7	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus			ISO 527-1/1
73°F	1.22E+6	psi	
140°F	827000	psi	
194°F	580000	psi	
248°F	421000	psi	
302°F	276000	psi	
Tensile Stress			ISO 527-2/5
Break, 73°F	18100	psi	
Break, 140°F	11600	psi	
Break, 194°F	7980	psi	
Break, 248°F	5800	psi	
Break, 302°F	4350	psi	
Tensile Strain			ISO 527-2/5
Break, 73°F	3.0	%	
Break, 140°F	5.3	%	
Break, 194°F	6.6	%	
Break, 248°F	7.6	%	
Break, 302°F	9.0	%	
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-4°F	4.3	ft·lb/in ²	
73°F	4.8	ft·lb/in ²	
Charpy Unnotched Impact Strength			ISO 179/1eU
-4°F	24	ft·lb/in ²	
73°F	26	ft·lb/in ²	
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (66 psi, Unannealed)	338	°F	ISO 75-2/B
Deflection Temperature Under Load (264 psi, Unannealed)	311	°F	ISO 75-2/A
Vicat Softening Temperature	329	°F	ISO 306/B120



CLTE - Flow (86 to 212°F)	1.7E-5 in/in/°F	ISO 11359-2
CLTE - Transverse (86 to 212°F)	3.9E-5 in/in/°F	ISO 11359-2
Thermal Conductivity		ASTM E1461
-- 4	1.4 Btu·in/hr/ft²/°F	
-- 5	1.4 Btu·in/hr/ft²/°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))	560 V/mil	ASTM D149
Flammability	Nominal Value Unit	Test Method
Flame Rating		UL 94
0.030 in	HB	
0.12 in	HB	

Notes

- 1 Typical properties: these are not to be construed as specifications.
- 2 60 MPa
- 3 in air
- 4 through plane
- 5 in plane

