LATENE AG3H2W G/30-V0E

LATI INDUSTRIA TERMOPLASTICI SPA - *Polypropylene Homopolymer*

General Information

Product Description

Compound based on Polypropylene homopolymer (PPh). Chemical grafted fibres. Improved thermal stabilisation. Metal stabilised. Glass fibres. Flame retardant, UL94 V-0 class, with brominated flame retardants, free of PBB/PBDE. PFAS-free product.

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

Properties [1]

Physical	Nominal Value	Unit	Test Method
Density (73°F)	1.47	g/cm³	ISO 1183
Molding Shrinkage [2]			ISO 294-4
Across Flow : 0.0787 in	0.75 to 0.95	%	
Flow : 0.0787 in	0.30 to 0.50	%	
Water Absorption [3] (Saturation, 73°F)	0.050	%	ISO 62
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus			ISO 527-1/1
73°F	1.13E+6	psi	
140°F	725000	psi	
194°F	580000	psi	
248°F	435000	psi	
Tensile Stress			ISO 527-2/5
Yield, 140°F	7250	psi	
Yield, 194°F	5080	psi	
Yield, 248°F	2900	psi	
Tensile Stress			ISO 527-2/5
Break, 73°F	10900	psi	
Break, 140°F	6530	psi	
Break, 194°F	4350	psi	
Break, 248°F	2900	psi	
Tensile Strain			ISO 527-2/5
Yield, 140°F	3.0	%	
Yield, 194°F	4.0	%	
Yield, 248°F	8.5	%	
Tensile Strain			ISO 527-2/5
Break, 73°F	2.2	%	
Break, 140°F	4.0	%	
Break, 194°F	6.0	%	
Break, 248°F	8.0	%	
Impact	**Nominal Value**	**Unit**	**Test Method**
Charpy Notched Impact Strength			ISO 179/1eA
-4°F	2.4	ft·lb/in²	
73°F	3.8	ft·lb/in²	

Charpy Unnotched Impact Strength			ISO 179/1eU
-4°F	7.1	ft·lb/in²	
73°F	14	ft·lb/in²	
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load (66 psi, Unannealed)	311	°F	ISO 75-2/B
Deflection Temperature Under Load (264 psi, Unannealed)	275	°F	ISO 75-2/A
Vicat Softening Temperature	275	°F	ISO 306/B120
CLTE - Flow (86 to 212°F)	1.4E-5	in/in/°F	ISO 11359-2
CLTE - Transverse (86 to 212°F)	4.2E-5	in/in/°F	ISO 11359-2
Thermal Conductivity			ASTM E1461
-- [4]	1.4	Btu·in/hr/ft²/°F	
-- [5]	2.1	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))	890	V/mil	ASTM D149
Comparative Tracking Index [6] (Solution A)	600	V	IEC 60112
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 • 5VA		
Oxygen Index	26	%	ASTM D2863

Notes

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

[2] 60 MPa

[3] in air

[4] through plane

[5] in plane

[6] without surfactant