Petrotene® PP A3 G24 T8 NTLA010 PH345

Polypropylene

Petropol Industry and Trade of Polymers LTDA

Message:

Petrotene® PP A3 G24 T8 NTLA010 PH345 is a Polypropylene material filled with 24% glass fiber and 8.0% talc. It is available in Asia Pacific, Europe, Latin America, or North America for injection molding.
Important attributes of Petrotene® PP A3 G24 T8 NTLA010 PH345 are:
Flame Rated
Good Dimensional Stability

General Information			
Filler / Reinforcement	Glass Fiber,24% Filler by Weight Talc,8.0% Filler by Weight		
Features	Good Dimensional Stability		
Processing Method	Injection Molding		
Resin ID (ISO 1043)	>PP GF24 MD8<		
Physical	**Nominal Value**	**Unit**	**Test Method**
Specific Gravity	1.13 to 1.15	g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	4.0 to 8.0	g/10 min	ASTM D1238
Molding Shrinkage - Flow	0.90 to 1.1	%	ASTM D955
Water Absorption (Equilibrium)	1.0 to 2.0	%	ASTM D570
Ash Content	30 to 34	%	ASTM D2584
Operating Temperature	90	°C	
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength [1]	44.0	MPa	ASTM D638
Tensile Elongation [2] (Break)	5.0	%	ASTM D638
Flexural Modulus	3500	MPa	ASTM D790
Flexural Strength	91.0	MPa	ASTM D790
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact	50	J/m	ASTM D256
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load (1.8 MPa, Unannealed)	65.0	°C	ASTM D648
Vicat Softening Temperature	120	°C	ASTM D1525 [3]
Electrical	**Nominal Value**	**Unit**	**Test Method**
Volume Resistivity	1.0E+14	ohms·cm	ASTM D257
Dielectric Strength	40	kV/mm	ASTM D149
Dissipation Factor (1 kHz)	2.0E-3		ASTM D150
Flammability	**Nominal Value**	**Unit**	**Test Method**
Flame Rating	HB		UL 94

Injection	Nominal Value	Unit
Drying Temperature	80.0	°C
Drying Time	3.0	hr
Processing (Melt) Temp	190 to 230	°C
Mold Temperature	40.0 to 50.0	°C
NOTE		
1.	50 mm/min	
2.	50 mm/min	
3.	Rate A (50°C/h), Loading 2 (50 N)	

Recommended distributors for this material

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