

Petrotene® PP A3 G30 NTLA010 PH316

Polypropylene Homopolymer

Petropol Industry and Trade of Polymers LTDA

Message:

Petrotene® PP A3 G30 NTLA010 PH316 is a Polypropylene Homopolymer (PP Homopolymer) material filled with 30% glass fiber. It is available in Asia Pacific, Asia Pacific, Europe, Europe, Latin America, Latin America, North America, or North America for injection molding.

Important attributes of Petrotene® PP A3 G30 NTLA010 PH316 are:

- Flame Rated
- Chemical Resistant
- Good Dimensional Stability
- High Strength
- Homopolymer

General Information			
Filler / Reinforcement	Glass Fiber,30% Filler by Weight		
Features	Good Dimensional Stability		
	Grease Resistant		
	High Tensile Strength		
	Homopolymer		
	Oil Resistant		
	Solvent Resistant		
Processing Method	Injection Molding		
Resin ID (ISO 1043)	>PP GF30<		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.15	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR)	5.0	g/10 min	ASTM D1238
Molding Shrinkage - Flow	0.50 to 1.0	%	ASTM D955
Ash Content	28 to 32	%	ASTM D2584
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	74.0	MPa	ASTM D638
Tensile Elongation (Break)	10	%	ASTM D638
Flexural Modulus	5100	MPa	ASTM D790
Flexural Strength	102	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	76	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	147	°C	ASTM D648
Vicat Softening Temperature	145	°C	ASTM D1525 ¹
Electrical	Nominal Value	Unit	Test Method
Dielectric Strength	40	kV/mm	ASTM D149
Dissipation Factor (1 kHz)	1.0E-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	2.0	hr	
Processing (Melt) Temp	190 to 230	°C	
Mold Temperature	60.0 to 80.0	°C	
NOTE			
1.	Rate B (120°C/h), Loading 1 (10 N)		

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Recommended distributors for this material

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