

Petrotene® PP A3 G30 DOR0078 PH328 MSP

Polypropylene

Petropol Industry and Trade of Polymers LTDA

Message:

Petrotene® PP A3 G30 DOR0078 PH328 MSP is a Polypropylene material filled with 25% glass fiber. It is available in Asia Pacific, Europe, Latin America, or North America for injection molding. Primary attribute of Petrotene® PP A3 G30 DOR0078 PH328 MSP: Flame Rated.

General Information			
Filler / Reinforcement	Glass Fiber,25% Filler by Weight		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.03 to 1.07	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR)	3.0 to 15	g/10 min	ASTM D1238
Molding Shrinkage - Flow	0.50 to 1.0	%	ASTM D955
Water Absorption (Equilibrium)	1.0 to 2.0	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	45.0	MPa	ASTM D638
Tensile Elongation (Break)	5.0	%	ASTM D638
Flexural Modulus	3000	MPa	ASTM D790
Flexural Strength	80.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	55	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	100	°C	ASTM D648
Vicat Softening Temperature	120	°C	ASTM D1525 ¹
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)	1.0E-3		ASTM D150
Flammability	Nominal Value	Unit	Test Method
Flame Rating	HB		UL 94
Additional Information	Nominal Value	Unit	
Operating Temperature	100	°C	
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 A (50°C/h), Loading 2 (50 N)

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Recommended distributors for this material

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