

Petrotene® PP A3 AE BRC0001 PH312 MSP

Polypropylene Homopolymer

Petropol Industry and Trade of Polymers LTDA

Message:

Petrotene® PP A3 AE BRC0001 PH312 MSP is a Polypropylene Homopolymer (PP Homopolymer) material. 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 AE BRC0001 PH312 MSP are:

Flame Rated

Good Dimensional Stability

Homopolymer

General Information			
Features	Good Dimensional Stability Homopolymer		
Appearance	White		
Processing Method	Injection Molding		
Resin ID (ISO 1043)	>PP<		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.900	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	3.0 to 15	g/10 min	ASTM D1238
Molding Shrinkage - Flow	1.5 to 2.0	%	ASTM D955
Water Absorption (Equilibrium)	0.050	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹	20.0	MPa	ASTM D638
Tensile Elongation ² (Break)	25	%	ASTM D638
Flexural Modulus	1600	MPa	ASTM D790
Flexural Strength	40.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	45	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load ³ (1.8 MPa, Unannealed)	60.0	°C	ASTM D648
Vicat Softening Temperature	142	°C	ASTM D1525 ⁴
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.0E+16	ohms · cm	ASTM D257
Dielectric Strength	30	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	90.0	°C
Drying Time	2.0	hr
Processing (Melt) Temp	190 to 230	°C
Mold Temperature	15.0 to 45.0	°C

NOTE		
1.	50 mm/min	
2.	50 mm/min	
3.	2°C/min	
4.	Rate B (120°C/h), Loading 1 (10 N)	

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Recommended distributors for this material

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