

Petrotene® PP A3 E8 CNZ0018 PH346 MSP

Polypropylene Homopolymer

Petropol Industry and Trade of Polymers LTDA

Message:

Polypropylene homopolymer in gray color reinforced with 8% of elastomer blend material to injection molding, good set of mechanical properties and dimensional stability.

General Information			
Features	Good Dimensional Stability		
	Homopolymer		
Appearance	Grey		
Processing Method	Injection Molding		
Resin ID (ISO 1043)	>PP + Z8<		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.50 to 2.00	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	0.90 to 1.1	%	ASTM D955
Water Absorption (Equilibrium)	0.050	%	ASTM D570
Ash Content	6.0 to 10	%	ASTM D2584
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	155	°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)	

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China



WECHAT