

Petrotene® PP A3 G45 NTLA010 PH367

Polypropylene Homopolymer

Petropol Industry and Trade of Polymers LTDA

Message:

Polypropylene homopolymer reinforced with 45% glass fiber suitable for injection molding, good set mechanical properties, aging resistance and excellent resistance to oils and greases.

General Information			
Filler / Reinforcement	Glass Fiber,45% Filler by Weight		
Features	Good Heat Aging Resistance		
	Grease Resistant		
	Homopolymer		
	Oil Resistant		
Processing Method	Injection Molding		
Resin ID (ISO 1043)	>PP GF45<		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.10	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR)	8.0	g/10 min	ASTM D1238
Molding Shrinkage - Flow	0.78 to 1.2	%	ASTM D955
Water Absorption (Equilibrium)	0.030	%	ASTM D570
Ash Content	43 to 47	%	ASTM D2584
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	90.0	MPa	ASTM D638
Tensile Elongation (Break)	3.5	%	ASTM D638
Flexural Modulus ¹ (23°C)	6200	MPa	ASTM D790
Flexural Strength	125	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	70	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	160	°C	ASTM D648
Vicat Softening Temperature	163	°C	ASTM D1525 ²
Melting Temperature	160	°C	ASTM D2117
Flammability	Nominal Value	Test Method	
Flame Rating	HB	UL 94	
Injection	Nominal Value	Unit	
Drying Temperature	80.0	°C	
Drying Time	2.0	hr	
Processing (Melt) Temp	200 to 250	°C	
Mold Temperature	40.0 to 80.0	°C	

Injection Pressure	70.0 to 120	MPa
NOTE		
1.	5.0 mm/min	
2.	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

