

Petrotene® PP A3 G50 HS PRTA010 PH384

Polypropylene

Petropol Industry and Trade of Polymers LTDA

Message:

Polypropylene in black colour reinforced with 50% glass fiber, heat stabilized, ideal for injection molding, good set of mechanical properties and dimensional stability.

General Information			
Filler / Reinforcement	Glass Fiber,50% Filler by Weight		
Additive	Heat Stabilizer		
Features	Good Dimensional Stability		
	Heat Stabilized		
Appearance	Black		
Processing Method	Injection Molding		
Resin ID (ISO 1043)	>PP GF50<		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.31 to 1.33	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	7.0 to 16	g/10 min	ASTM D1238
Molding Shrinkage - Flow	0.50 to 0.90	%	ASTM D955
Water Absorption (Equilibrium)	1.0 to 2.0	%	ASTM D570
Ash Content	48 to 52	%	ASTM D2584
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	9200	MPa	ASTM D638
Tensile Strength (Yield)	105	MPa	ASTM D638
Tensile Elongation (Yield)	2.0	%	ASTM D638
Flexural Modulus	8750	MPa	ASTM D790
Flexural Strength	155	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	15	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	160	°C	ASTM D648
Vicat Softening Temperature	155	°C	ASTM D1525 ¹
Flammability	Nominal Value	Test Method	
Flame Rating	HB	UL 94	
Injection	Nominal Value	Unit	
Drying Temperature	80.0	°C	
Drying Time	4.0	hr	
Processing (Melt) Temp	210 to 240	°C	

Mold Temperature	30.0 to 50.0	°C
NOTE		
1.	Rate A (50°C/h), Loading 2 (50 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

