

Petrotene® PP A3 T20 HF NTLA010 PH370

Polypropylene

Petropol Industry and Trade of Polymers LTDA

Message:

Polypropylene of high flow natural 20% mineral reinforced for injection molding, resistant to oil, grease and many solvents, good set of mechanical properties and good dimensional stability.

General Information			
Filler / Reinforcement	Mineral,20% Filler by Weight		
Features	Good Dimensional Stability		
	Grease Resistant		
	High Flow		
	Oil Resistant		
	Solvent Resistant		
Appearance	Natural Color		
Processing Method	Injection Molding		
Resin ID (ISO 1043)	>PP MD20<		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.04 to 1.06	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR)	23 to 27	g/10 min	ASTM D1238
Molding Shrinkage - Flow	0.90 to 1.2	%	ASTM D955
Water Absorption (Equilibrium)	0.020	%	ASTM D570
Ash Content	18 to 22	%	ASTM D2584
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	30.0	MPa	ASTM D638
Tensile Elongation (Break)	8.0	%	ASTM D638
Flexural Modulus	2700	MPa	ASTM D790
Flexural Strength	45.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	39	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	68.0	°C	ASTM D648
Vicat Softening Temperature	140	°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)	2.0E-3		ASTM D150
Flammability	Nominal Value	Unit	Test Method
Flame Rating	HB		UL 94

Injection	Nominal Value	Unit
Drying Temperature	80.0	°C
Drying Time	4.0	hr
Processing (Melt) Temp	190 to 230	°C
Mold Temperature	60.0 to 80.0	°C

NOTE

1. Rate A (50°C/h), Loading 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

