

# Petrotene® PP B3 T40 HS NTLA013 PH343

Polypropylene Copolymer

Petropol Industry and Trade of Polymers LTDA

## Message:

Polypropylene copolymer natural color, talc filler, 40% filler by weight, thermally stabilized. Resistant to oil, grease and many solvents, good set of mechanical properties and excellent dimensional stability. Ideal for injection molding.

General Information			
Filler / Reinforcement	Talc,40% Filler by Weight		
Additive	Heat Stabilizer		
Features	Copolymer		
	Good Dimensional Stability		
	Grease Resistant		
	Heat Stabilized		
	Oil Resistant		
	Solvent Resistant		
Appearance	Natural Color		
Processing Method	Injection Molding		
Resin ID (ISO 1043)	>PP MD40<		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.22	g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR)	5.0 to 10	g/10 min	ASTM D1238
Molding Shrinkage - Flow	0.70	%	ASTM D955
Ash Content	37 to 43	%	ASTM D2584
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	52		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2500	MPa	ASTM D638
Tensile Strength			ASTM D638
Yield	20.0	MPa	
Break	17.0	MPa	
Tensile Elongation			ASTM D638
Yield	3.0	%	
Break	15	%	
Flexural Modulus	1700	MPa	ASTM D790
Flexural Strength	26.0 to 29.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	60	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method

Deflection Temperature Under Load		ASTM D648
0.45 MPa, Unannealed	115	°C
1.8 MPa, Unannealed	65.0	°C
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	190 to 230	°C
Mold Temperature	60.0 to 80.0	°C

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#### 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

