

Petrotene® PP A3 T20 E20 PRTA011 PH375

Polypropylene

Petropol Industry and Trade of Polymers LTDA

Message:

Polypropylene with 20% mineral powder and 20% elastomeric material for injection molding, resistant to oil, grease and many solvents, good set of mechanical properties.

General Information			
Filler / Reinforcement	Mineral,20% Filler by Weight		
Features	Grease Resistant		
	Oil Resistant		
	Solvent Resistant		
Processing Method	Injection Molding		
Resin ID (ISO 1043)	>PP MD20 E20<		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.00 to 1.04	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR)	3.0 to 10	g/10 min	ASTM D1238
Molding Shrinkage - Flow	1.3 to 1.5	%	ASTM D955
Water Absorption (Equilibrium)	0.050	%	ASTM D570
Ash Content	18 to 22	%	ASTM D2584
Elastomer Content	20	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	18.0	MPa	ASTM D638
Tensile Elongation (Break)	27	%	ASTM D638
Flexural Modulus	1000	MPa	ASTM D790
Flexural Strength	24.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	270	J/m	ASTM D256
Flammability	Nominal Value		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	60.0 to 80.0	°C	

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