

# Petrotene® PP A3 T5 CNZA011 PH378

Polypropylene Homopolymer

Petropol Industry and Trade of Polymers LTDA

## Message:

Polypropylene homopolymer in gray color reinforced with 5% talc mineral. 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,5.0% Filler by Weight		
Features	Good Dimensional Stability		
	Grease Resistant		
	Homopolymer		
	Oil Resistant		
	Solvent Resistant		
Appearance	Grey		
Processing Method	Injection Molding		
Resin ID (ISO 1043)	>PP MD5<		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.948	g/cm <sup>3</sup>	ASTM D792
Melt Mass-Flow Rate (MFR)	13	g/10 min	ASTM D1238
Molding Shrinkage - Flow	1.6 to 1.9	%	ASTM D955
Ash Content	2.0 to 8.0	%	ASTM D2584
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength <sup>1</sup>	37.9	MPa	ASTM D638
Tensile Elongation <sup>2</sup> (Break)	12	%	ASTM D638
Flexural Modulus	2220	MPa	ASTM D790
Flexural Strength	59.3	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	37	J/m	ASTM D256
Gardner Impact (23°C)	0.339	J	ASTM D5420
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load <sup>3</sup>			ASTM D648
0.45 MPa, Unannealed	124	°C	
1.8 MPa, Unannealed	68.3	°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
NOTE		
1.	50 mm/min	
2.	50 mm/min	
3.	2°C/min	

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