

# Petroquim PP PH 1310

Polypropylene Homopolymer

Petroquim S.A.

## Message:

Apt for injection molding, easily processable, good stability during the process, good stiffness and balance of mechanical properties. Recommended for use in fabricating general parts with a medium wall thickness.

Applications:

Household items, kitchen utensils, food jars and trays, lids and toys.

General Information			
Features	Rigid, good		
	Homopolymer		
	Workability, good		
Uses	Cover		
	Shield		
	Household goods		
	Container		
	Food container		
	General		
	Toys		
Agency Ratings	FDA 21 CFR 177.1520		
	Europe 10/1/2011 12:00:00 AM		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	13	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	34.0	MPa	ASTM D638
Tensile Elongation (Yield)	12	%	ASTM D638
Flexural Modulus	1500	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	34	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	95.0	°C	ASTM D648
Vicat Softening Temperature	154	°C	ASTM D1525 <sup>1</sup>
Injection	Nominal Value	Unit	
Hopper Temperature	180	°C	

Rear Temperature	190 - 220	°C
Middle Temperature	190 - 220	°C
Front Temperature	190 - 220	°C
Mold Temperature	20.0 - 60.0	°C

Injection instructions

Processing:Injection:Feed 180 °CScrew 190 to 220 °CMold 20 to 60 °C

NOTE

1. 压力1 (10N)

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