

# Petroquim PP PH 0953

Polypropylene Homopolymer

Petroquim S.A.

## Message:

Apt for single layer or multi-layer film extrusion in a tubular process. Very good processability and productivity and good sliding and anti-block properties, optimal transparency and great mechanical strength.

Applications:

Bags for the textile and food industry, promotions, etc. Flower wrappers.

General Information			
Features	smoothness Homopolymer Anti-caking property Workability, good Good strength Definition, high		
Uses	Films Bags Food packaging		
Agency Ratings	FDA 21 CFR 177.1520 Europe 10/1/2011 12:00:00 AM		
Appearance	Clear/transparent		
Forms	Particle		
Processing Method	Film extrusion Blow film		
Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	8.0	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	32.0	MPa	ASTM D638
Tensile Elongation (Yield)	12	%	ASTM D638
Flexural Modulus	1400	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	45	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	96.0	°C	ASTM D648
Vicat Softening Temperature	150	°C	ASTM D1525 <sup>1</sup>

Extrusion	Nominal Value	Unit
Cylinder Zone 1 Temp.	190 - 200	°C
Cylinder Zone 2 Temp.	190 - 200	°C
Cylinder Zone 3 Temp.	190 - 200	°C
Cylinder Zone 4 Temp.	190 - 200	°C
Cylinder Zone 5 Temp.	190 - 200	°C
Adapter Temperature	210	°C
Die Temperature	190 - 210	°C

#### Extrusion instructions

Processing:Tubular Film Extrusion (Blown):Screw Temperature: 190 to 200 °CFilter Temperature: 190 to 210 °CAdapter Temperature: 210 °CDie Temperature: 190 to 210 °C

#### NOTE

1. 压力1 (10N)

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