

Petroquim PP PH 0130

Polypropylene Homopolymer

Petroquim S.A.

Message:

Suitable for general extrusion processes, raffia, blowing and thermoforming. It has good processability and productivity, good stiffness/impact and tenacity/elongation ratios, and also high resistance to melting.

Applications:

Flat and corrugated sheets, straps, ropes, big bags, tubular raffia, bottles for cosmetics, hygiene and cleaning products. Bottles for non-carbonated water and food. Glasses, trays and pots.

General Information	
Features	Rigid, good
	Homopolymer
	Impact resistance, good
	Workability, good
Uses	Cosmetic Packaging
	Wave plate
	Bags
	Belt material
	Sheet
	Bottle
	Rope
	Food container
	Heavy packing bag
Agency Ratings	FDA 21 CFR 177.1520
	Europe 10/1/2011 12:00:00 AM
Forms	Particle
Processing Method	Blow molding
	Extrusion
	Thermoforming

Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	1.7	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	35.0	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)	90	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	87.0	°C	ASTM D648
Vicat Softening Temperature	154	°C	ASTM D1525 ¹
Extrusion	Nominal Value	Unit	
Hopper Temperature	200	°C	
Cylinder Zone 1 Temp.	220 - 230	°C	
Cylinder Zone 2 Temp.	220 - 230	°C	
Cylinder Zone 3 Temp.	220 - 230	°C	
Cylinder Zone 4 Temp.	220 - 230	°C	
Cylinder Zone 5 Temp.	220 - 230	°C	
Die Temperature	230	°C	
Extrusion instructions			
Processing:Raffia Extrusion Tubular Process:Feed 190 °CScrew 220 to 250 °CBolster 245 °CBlowing:Feed 170 °CScrew 180 to 210 °CBolster 200 °CThermoforming:Feed 200 °CScrew 200 to 230 °CBolster 220 °C			
NOTE			

1. 压力1 (10N)

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