

Petroquim PP PH 4040

Polypropylene Homopolymer

Petroquim S.A.

Message:

Apt for injection molding and raffia coating. Good stability during transformation processes and a great compatibility with the substratum in the raffia fabric coating. It is recommended for thin-wall items in injection.

Applications:

In injection: food, cosmetic and hygiene product containers, video and DVD cases, toys. In coating extrusion: Lamination or coating of raffia fabrics.

General Information			
Features	Good processing stability		
Uses	Thin wall parts		
	Container		
	Food container		
	Coating application		
	Toys		
	Fabric coating		
Agency Ratings	FDA 21 CFR 177.1520		
	Europe 10/1/2011 12:00:00 AM		
Forms	Particle		
Processing Method	Extrusion coating		
	Injection molding		
Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	40	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	34.0	MPa	ASTM D638
Tensile Elongation (Yield)	6.0	%	ASTM D638
Flexural Modulus	1400	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	20	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	90.0	°C	ASTM D648
Vicat Softening Temperature	152	°C	ASTM D1525 ¹
Injection	Nominal Value	Unit	
Hopper Temperature	160	°C	
Rear Temperature	180 - 210	°C	
Middle Temperature	180 - 210	°C	

Front Temperature	180 - 210	°C
Mold Temperature	20.0 - 60.0	°C
Injection instructions		
Processing:Injection:Feed 160 °CScrew 180 to 210 °CMold 20 to 60 °C		
Extrusion	Nominal Value	Unit
Cylinder Zone 1 Temp.	180 - 210	°C
Cylinder Zone 2 Temp.	180 - 210	°C
Cylinder Zone 3 Temp.	180 - 210	°C
Cylinder Zone 4 Temp.	180 - 210	°C
Cylinder Zone 5 Temp.	180 - 210	°C
Die Temperature	270	°C
Extrusion instructions		
Processing:Coating:Screw 180 to 210 °CDie 270 °C		
NOTE		
1.	压力1 (10N)	

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