

Braskem PP H 504 XP

Polypropylene Homopolymer

Braskem

Message:

Description:
H 504XP is a low melt flow rate homopolymer, designed specially for high speed lines of biooriented films (BOPP). This product features a broad processing window with high output and regular thickness profile, providing very good optical and mechanical properties, good slipping and high barrier.

Applications:
Biooriented films for conversion and metallization; Pearllized opaque films; Adhesive tapes; Food and textile packaging.

General Information			
Features	Barrier Resin		
	Homopolymer		
	Opticals		
	Slip		
Uses	Adhesives		
	Film		
	Food Packaging		
	Tape		
	Textile Applications		
Agency Ratings	FDA 21 CFR 177.1520		
Forms	Pellets		
Processing Method	Bi-axially Oriented Film		
	Extrusion		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.905	g/cm ³	ASTM D792, ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	3.0	g/10 min	ASTM D1238, ISO 1133
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness			
R-Scale, Injection Molded	90		ASTM D785
R-Scale	90		ISO 2039-2
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			
Yield, Injection Molded	32.0	MPa	ASTM D638
Yield, Injection Molded	33.0	MPa	ISO 527-2
Tensile Elongation (Yield, Injection Molded)	12	%	ASTM D638, ISO 527-2
Flexural Modulus			

1% Secant : Injection Molded	1300	MPa	ASTM D790
Injection Molded	1400	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, Injection Molded)	40	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			
0.45 MPa, Unannealed, Injection Molded	100	°C	ASTM D648
0.45 MPa, Unannealed	100	°C	ISO 75-2/B
1.8 MPa, Unannealed, Injection Molded	57.0	°C	ASTM D648
1.8 MPa, Unannealed	57.0	°C	ISO 75-2/A
Vicat Softening Temperature	151	°C	ISO 306/A, ASTM D1525 ¹
NOTE			
1.	Loading 1 (10 N)		

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