

Braskem PP H 510

Polypropylene Homopolymer

Braskem

Message:

Description:
H 510 is a low melt flow rate homopolymer, specially designed for biooriented filmes (BOPP) in tenter frame lines. This product features high transparency and gloss, good mechanical strenght, high stiffness, high toughness and excellent processability.

Applications:
Adhesive tapes; Food and textile packaging; Films for conversion process.

General Information			
Features	Good Processability		
	Good Toughness		
	High Gloss		
	High Stiffness		
	Homopolymer		
Uses	Adhesives		
	Film		
	Food Packaging		
	Tape		
	Textile Applications		
Agency Ratings	FDA 21 CFR 177.1520		
Appearance	Clear/Transparent		
Forms	Pellets		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.905	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	2.6	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale, Injection Molded)	96		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, Injection Molded)	34.0	MPa	ASTM D638
Tensile Elongation (Yield, Injection Molded)	13	%	ASTM D638
Flexural Modulus - 1% Secant (Injection Molded)	1200	MPa	ASTM D790
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			ASTM D648
0.45 MPa, Unannealed, Injection Molded	96.0	°C	
1.8 MPa, Unannealed, Injection Molded	53.0	°C	
Vicat Softening Temperature	157	°C	ASTM D1525 ¹
NOTE			
1.	Loading 1 (10 N)		

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