

Braskem PP H 503 HS

Polypropylene Homopolymer

Braskem

Message:

Description:
H 503HS is a low melt flow rate homopolymer for general purpose. Designed for raffia extrusion. This product exhibits an excellent processability, high speed production with good melt stability, good stiffness/impact strength balance and low odor and flavor transfer.

Applications:
Monofilament for ropes; Fishing nets; Cables for boats; Bristles for tooth brushes and brooms; Industrial bags; Big bags; Carpet backing; Curtains and covers to aviary and agriculture.

General Information			
Features	General Purpose		
	Good Impact Resistance		
	Good Processability		
	Good Stiffness		
	High Melt Stability		
	Homopolymer		
	Low Flow		
	Low Odor Transfer		
	Low Taste Transfer		
Uses	Armored Cable		
	Bags		
	Carpet Backing		
	Rope		
	Tape		
Agency Ratings	FDA 21 CFR 177.1520		
Forms	Pellets		
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)	4.0	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale, Injection Molded)	103		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, Injection Molded)	34.0	MPa	ASTM D638
Tensile Elongation (Yield, Injection Molded)	12	%	ASTM D638
Flexural Modulus - 1% Secant (Injection Molded)	1400	MPa	ASTM D790

Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, Injection Molded)	35	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed, Injection Molded	97.0	°C	
1.8 MPa, Unannealed, Injection Molded	55.0	°C	
Vicat Softening Temperature	155	°C	ASTM D1525 ¹
NOTE			

1. Loading 1 (10 N)

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