

Braskem H 503HS HOMO Polypropylene Homopolymer

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene, Fiber Grade

Material Notes:

H 503HS is a low melt flow rate homopolymer for general purpose. It is designed for raffia extrusion and fiber extrusion. This product exhibits excellent processability, high speed production with good melt stability, good stiffness/impact strength balance, and low odor and flavor transfer. Its applications include: monofilament for ropes; fishing nets; cables for boats; bristles for tooth brushes and brooms; industrial bags; big bags; carpet backing; and curtains and covers for aviary and agriculture.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Braskem-H-503HS-HOMO-Polypropylene-Homopolymer.php

Physical Properties	Metric	English	Comments
Density	0.905 g/cc	0.0327 lb/in ³	ASTM-D792
Melt Flow	4.0 g/10 min @Load 2.16 kg, Temperature 230 °C	4.0 g/10 min @Load 4.76 lb, Temperature 446 °F	ASTM-D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	103	103	ASTM-D785
Tensile Strength, Yield	34.0 MPa	4930 psi	ASTM-D638
Elongation at Yield	12 %	12 %	ASTM-D638
Flexural Modulus, 1% Secant	1400 MPa	203000 psi	ASTM-D790
Izod Impact, Notched	0.350 J/cm	0.656 ft-lb/in	ASTM-D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	97.0 °C	207 °F	ASTM-D648
Deflection Temperature at 1.8 MPa (264 psi)	55.0 °C	131 °F	ASTM-D648
Vicat Softening Point	155 °C @Load 1.02 kg	311 °F @Load 2.25 lb	ASTM-D1525

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