

Braskem H 504 XP Bioriented Film Polypropylene

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

Material Notes:

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: Bioriented films for conversion and metallization; Pearllized opaque films; Adhesive tapes; Food and textile packaging. Information provided by Braskem

Order this product through the following link:

http://www.lookpolymers.com/polymer_Braskem-H-504-XP-Bioriented-Film-Polypropylene.php

Physical Properties	Metric	English	Comments
Density	0.905 g/cc	0.0327 lb/in ³	ASTM D792A
Melt Flow	3.0 g/10 min @Load 2.16 kg, Temperature 230 °C	3.0 g/10 min @Load 4.76 lb, Temperature 446 °F	ASTM D1238L

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	90	90	ASTM D785
Tensile Strength, Yield	32.0 MPa	4640 psi	ASTM D638
Elongation at Yield	11 %	11 %	ASTM D638
Flexural Modulus	1.25 GPa	181 ksi	1% secant; ASTM D790
Izod Impact, Notched	0.300 J/cm @Temperature 23.0 °C	0.562 ft-lb/in @Temperature 73.4 °F	ASTM D256A

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	100 °C	212 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	57.0 °C	135 °F	ASTM D648
Vicat Softening Point	151 °C	304 °F	10 N; ASTM D1525

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