

Borealis HB600TF Polypropylene

Category : Polymer , Thermoplastic , Polypropylene (PP)

Material Notes:

HB600TF is a low melt flow rate polypropylene homopolymer intended for extrusion and thermoforming. Its very good organoleptic properties allows this grade to be used with any master batch without discoloring problems. Applications: HB600TF is recommended for in-line and off line thermoforming, house ware and thin wall packaging, margarine tubs, and mixing with copolymer. Information provided by Borealis AG

Order this product through the following link:

http://www.lookpolymers.com/polymer_Borealis-HB600TF-Polypropylene.php

Physical Properties	Metric	English	Comments
Density	0.905 g/cc	0.0327 lb/in ³	base resin; ISO 1183
Melt Flow	2.0 g/10 min @Load 2.16 kg, Temperature 230 °C	2.0 g/10 min @Load 4.76 lb, Temperature 446 °F	ISO 1133

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	33.5 MPa	4860 psi	ISO 527-2
Elongation at Yield	10 %	10 %	50mm/min; ISO 527-2
Tensile Modulus	1.40 GPa	203 ksi	1mm/min; ISO 527-2
Flexural Modulus	1.30 GPa	189 ksi	5mm/min; ISO 178
Charpy Impact, Notched	0.400 J/cm ² @Temperature 23.0 °C	1.90 ft-lb/in ² @Temperature 73.4 °F	ISO 179/1eA

Thermal Properties	Metric	English	Comments
Melting Point	162 - 166 °C	324 - 331 °F	DSC; ISO 3146
Deflection Temperature at 0.46 MPa (66 psi)	86.0 °C	187 °F	ISO 75-2

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