

Braskem H 203 HOMO Polypropylene Homopolymer

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene, Molded

Material Notes:

H 203 is a high melt flow rate homopolymer with a general purpose additive package. This product exhibits excellent processability and good stiffness/impact strength balance. It also features a low taste/odor. It is designed for injection molding and fiber extrusion processing. Its applications include: injection of electric portables and household appliances; injected chest drawers and closets; continuous filaments for carpets, sewing threads, and ropes; staple fibers for rugs and blankets; and nonwovens by the thermobonded process.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Braskem-H-203-HOMO-Polypropylene-Homopolymer.php

Physical Properties	Metric	English	Comments
Density	0.905 g/cc	0.0327 lb/in ³	ASTM-D792
Melt Flow	20 g/10 min @Load 2.16 kg, Temperature 230 °C	20 g/10 min @Load 4.76 lb, Temperature 446 °F	ASTM-D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	97	97	ASTM-D785
Tensile Strength, Yield	35.0 MPa	5080 psi	ASTM-D638
Elongation at Yield	11 %	11 %	ASTM-D638
Flexural Modulus, 1% Secant	1100 MPa	160000 psi	ASTM-D790
Izod Impact, Notched	0.290 J/cm	0.543 ft-lb/in	ASTM-D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	96.0 °C	205 °F	ASTM-D648
Deflection Temperature at 1.8 MPa (264 psi)	56.0 °C	133 °F	ASTM-D648
Vicat Softening Point	152 °C @Load 1.02 kg	306 °F @Load 2.25 lb	ASTM-D1525

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