

Braskem H 605 Extrusion Polypropylene

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

Material Notes:

Description: H 605 is a low melt flow rate homopolymer with high transparency. This resin is designed for extrusion and thermoforming. H 605 exhibits excellent processability, high output, excellent stiffness/impact strength balance, high melt strength, outstanding optical properties and low odor/taste transfer. Applications: Highly transparent thermoformed packages for food, cosmetic, health care and cleaning products; Flat and corrugated sheets for school and office folders Information provided by Braskem

Order this product through the following link:

http://www.lookpolymers.com/polymer_Braskem-H-605-Extrusion-Polypropylene.php

Physical Properties	Metric	English	Comments
Density	0.905 g/cc	0.0327 lb/in ³	ASTM D792A
Melt Flow	2.1 g/10 min @Load 2.16 kg, Temperature 230 °C	2.1 g/10 min @Load 4.76 lb, Temperature 446 °F	ASTM D1238L

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	100	100	ASTM D785
Tensile Strength, Yield	37.0 MPa	5370 psi	ASTM D638
Elongation at Yield	11 %	11 %	ASTM D638
Flexural Modulus	1.60 GPa	232 ksi	1% secant; ASTM D790
Izod Impact, Notched	0.450 J/cm @Temperature 23.0 °C	0.843 ft-lb/in @Temperature 73.4 °F	ASTM D256A

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	106 °C	223 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	57.0 °C	135 °F	ASTM D648
Vicat Softening Point	155 °C	311 °F	10 N; ASTM D1525

Optical Properties	Metric	English	Comments
Haze	30 %	30 %	ASTM D1003

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