

Braskem PH 0242 HOMO Polypropylene Homopolymer

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

Material Notes:

PH 0242 is a low melt flow rate homopolymer produced by compression molding. This resin exhibits excellent processability and excellent stiffness/impact strength balance. Its applications include compression molding for carbonated beverages bottle caps.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Braskem-PH-0242-HOMO-Polypropylene-Homopolymer.php

Physical Properties	Metric	English	Comments
Density	0.905 g/cc	0.0327 lb/in ³	ASTM-D792
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	ASTM-D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	97	97	ASTM-D785
Tensile Strength, Yield	36.0 MPa	5220 psi	ASTM-D638
Elongation at Yield	10 %	10 %	ASTM-D638
Flexural Modulus, 1% Secant	1600 MPa	232000 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)	114 °C	237 °F	ASTM-D648
Vicat Softening Point	153 °C @Load 1.02 kg	307 °F @Load 2.25 lb	ASTM-D1525

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