

Braskem CP 405XP Compression Molding Polypropylene Heterophasic Copolymer

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

Material Notes:

Bottle caps for carbonated beverages. Information provided by Braskem.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Braskem-CP-405XP-Compression-Molding-Polypropylene-Heterophasic-Copolymer.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.900 g/cc	0.900 g/cc	ASTM D792
Melt Flow	6.8 g/10 min @Load 2.16 kg, Temperature 230 °C	6.8 g/10 min @Load 4.76 lb, Temperature 446 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	87	87	ASTM D785
Tensile Strength, Yield	31.0 MPa	4500 psi	ASTM D638
Elongation at Yield	7.0 %	7.0 %	ASTM D638
Flexural Modulus, 1% Secant	1500 MPa	218000 psi	ASTM D790A
Izod Impact, Notched	0.380 J/cm @Temperature -20.0 °C	0.712 ft-lb/in @Temperature -4.00 °F	ASTM D256
	0.990 J/cm @Temperature 23.0 °C	1.85 ft-lb/in @Temperature 73.4 °F	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	114 °C	237 °F	ASTM D648

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