

Braskem H 502HC Thermoforming Polypropylene Homopolymer

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene, Sheet/Thermoforming Grade

Material Notes:

Disposable cupware and dishware; High-stiffness parts; Hot packaging. Information provided by Braskem.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Braskem-H-502HC-Thermoforming-Polypropylene-Homopolymer.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.905 g/cc	0.905 g/cc	ASTM D792
Melt Flow	3.3 g/10 min	3.3 g/10 min	ASTM D1238
	@Load 2.16 kg, Temperature 230 °C	@Load 4.76 lb, Temperature 446 °F	

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	110	110	ASTM D785
Tensile Strength, Yield	39.0 MPa	5660 psi	ASTM D638
Elongation at Yield	7.0 %	7.0 %	ASTM D638
Flexural Modulus, 1% Secant	2300 MPa	334000 psi	ASTM D790A
Izod Impact, Notched	0.210 J/cm	0.393 ft-lb/in	ASTM D256
	@Temperature 23.0 °C	@Temperature 73.4 °F	

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	130 °C	266 °F	ASTM D648

Optical Properties	Metric	English	Comments
Haze	46 %	46 %	ASTM D1003
	@Thickness 1.00 mm	@Thickness 0.0394 in	

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