

Braskem D042M Homopolymer Polypropylene

Category : Polymer , Thermoplastic , Polypropylene (PP)

Material Notes:

Description: Injection Molding, General Purpose, Low Water Carryover, UV Resistant Applications: Suggested Uses Include Tape, Slit-film Fibers, Containers, Closures, Housewares This resin meets the requirements for olefin polymers as defined in 21 CFR, section 177.1520 issued by the Food and Drug Administration. The additives present are covered in appropriate regulation by FDA Information provided by Braskem

Order this product through the following link:

http://www.lookpolymers.com/polymer_Braskem-D042M-Homopolymer-Polypropylene.php

Physical Properties	Metric	English	Comments
Melt Flow	4.2 g/10 min @Load 2.16 kg, Temperature 230 °C	4.2 g/10 min @Load 4.76 lb, Temperature 446 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	103	103	ASTM D785
Tensile Strength	37.2 MPa	5400 psi	2 in/min; ASTM D638
Elongation at Yield	10 %	10 %	2 in/min; ASTM D638
Tenacity	0.397 N/tex	4.50 g/denier	3.3 draw ration, 1,250 m/min roll speed; 225°C spin temperature, D1000/68, ASTM D2256
Flexural Modulus	1.59 GPa	230 ksi	0.05 in/min, 1% secant; ASTM D-790A
Izod Impact, Notched	0.374 J/cm	0.700 ft-lb/in	ASTM D256A

Descriptive Properties	Value	Comments
Elongation of Fibers (3.3 draw ration, 1,250 m/min roll speed)	36%	225°C spin temperature, D1000/68, ASTM D2256

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