

Flint Hills 21N2A Homopolymer Polypropylene

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene, Blow Molding Grade

Material Notes:

Features: FDA Compliant, High Flexural Modulus and High Heat Deflection Temperature Applications: Thermoforming, Extrusion, Blow Molding Information provided by Flint Hills Resources.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Flint-Hills-21N2A-Homopolymer-Polypropylene.php

Physical Properties	Metric	English	Comments
Density	0.900 g/cc	0.0325 lb/in ³	ASTM D1505
Melt Flow	2.3 g/10 min	2.3 g/10 min	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	110	110	ASTM D785
Tensile Strength, Yield	40.3 MPa	5850 psi	ASTM D638
Elongation at Yield	4.6 %	4.6 %	ASTM D638
Flexural Modulus	2.25 GPa	326 ksi	Tangent; ASTM D790
Flexural Modulus, 1% Secant	2120 MPa	307000 psi	ASTM D790
Izod Impact, Notched	0.215 J/cm	0.403 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	133 Â°C	271 Â°F	ASTM D648

Descriptive Properties	Value	Comments
FDA	21 CFR 177.1520(c) 1.1a	

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