

LyondellBasell Purell® PE3020D Low Density Polyethylene, Injection Molding, Blow Fill & Seal, Extrusion Blow Molding

Category : Polymer , Thermoplastic , Polyethylene (PE) , LDPE , Low Density Polyethylene (LDPE), Blow Molding Grade

Material Notes:

Purell PE 3020 D is a low density polyethylene with high rigidity, good opticals and good chemical resistance. It is delivered in pellet form. Target markets are small blow molding including packaging of pharmaceuticals and injection molding for medical devices, closures and seals. Regulatory Status: Purell PE 3020 D meets the requirements of the Food and Drug Administration, Code of Federal Regulations, 21CFR Section 177.1520. This regulation allows the use of this olefin polymer in "articles or components of articles intended for use in contact with food." Contact your Equistar sales representative for more information regarding the suitability of specific products for specific applications. Specific recommendations for processing Purell PE 3020 D can only be made when the processing conditions, equipment and end use are known. For further suggestions, please contact your Equistar sales representative. This product is from the former Equistar product line.

Order this product through the following link:

http://www.lookpolymers.com/polymer_LyondellBasell-Purell-PE3020D-Low-Density-Polyethylene-Injection-Molding-Blow-Fill-Seal-Extrusion-Blow-Molding.php

Physical Properties	Metric	English	Comments
Density	0.927 g/cc	0.0335 lb/in ³	ASTM D1505
ESCR 100% Igepal®	16 hour	16 hour	ASTM D1693
Melt Flow	0.30 g/10 min	0.30 g/10 min	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	15.2 MPa	2200 psi	ASTM D638
Tensile Strength, Yield	15.2 MPa	2200 psi	ASTM D638
Elongation at Break	700 %	700 %	ASTM D638
Tensile Modulus	0.434 GPa	63.0 ksi	1% Secant; ASTM D638
Flexural Modulus	0.414 GPa	60.0 ksi	1% Secant; ASTM D790

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	46.0 °C	115 °F	ASTM D648
Vicat Softening Point	102 °C	216 °F	ASTM D1525

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