

Total Lacqtene® 1003 FE 30 HDPE, blow molding (discontinued **)

Category : Polymer , Thermoplastic , Polyethylene (PE) , HDPE , MDPE , Medium Density Polyethylene (MDPE), Molded

Material Notes:

Medium density radical polyethylene made by high tubular pressure process for medical applications requiring sterilization : small and medium stiff containers for parental mixtures, ophthalmic solutions, sterilized ampoules. Advised temperature profile : 150 to 180°C

Lacqtène 1003FE30 is easily converted on aseptic machines. (Rommelag or similar) Information provided provided by Total Petrochemicals. Total Petrochemicals includes former Fina and Atofina plastics product lines.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Total-Lacqtene-1003-FE-30-HDPE-blow-molding-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	0.928 g/cc	0.0335 lb/in ³	ISO 1183
Melt Flow	0.30 g/10 min	0.30 g/10 min	ISO 1133

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	16.0 MPa	2320 psi	ISO 527
Elongation at Break	550 %	550 %	ISO 527
Modulus of Elasticity	0.350 GPa	50.8 ksi	ISO 527-2
Dart Drop Test	150 g	0.331 lb	50µ; ISO 7765-1

Thermal Properties	Metric	English	Comments
Melting Point	117 °C	243 °F	ISO 11357-3
Vicat Softening Point	106 °C	223 °F	ISO 306

Optical Properties	Metric	English	Comments
Haze	10 %	10 %	50µ; ASTM D 1003

Descriptive Properties	Value	Comments
Food Status	This material complies with the French and European pharmacopeas.	

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