

Eastman D4032-F Polyethylene (discontinued **)

Category : Polymer , Thermoplastic , Polyethylene (PE) , LDPE

Material Notes:

D4032-F is a low density, fractional-melt formulation which contains no slip and medium antiblock. It is designed for film applications requiring exceptional toughness, such as in heavy-duty shipping sacks or in construction and agricultural films. Information supplied by the manufacturer. Information from manufacturer data sheet. Eastman Chemical Company sold its polyethylene business to Westlake Chemical Corporation in Dec. 2006. This grade no longer appears in the Westlake product line.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Eastman-D4032-F-Polyethylene-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	0.921 g/cc	0.0333 lb/in ³	ASTM D4883
Thickness	76.0 microns	2.99 mil	
Melt Flow	0.30 g/10 min @Load 2.16 kg, Temperature 190 °C	0.30 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Film Tensile Strength at Yield, MD	25.0 MPa	3630 psi	ASTM D882
Film Tensile Strength at Yield, TD	11.0 MPa	1600 psi	ASTM D882
Film Elongation at Break, MD	320 %	320 %	ASTM D882
Film Elongation at Break, TD	885 %	885 %	ASTM D882
Secant Modulus, MD	0.193 GPa	28.0 ksi	1% Secant; ASTM D882
Secant Modulus, TD	0.231 GPa	33.5 ksi	1% Secant; ASTM D882
Elmendorf Tear Strength MD	355 g	355 g	
Elmendorf Tear Strength TD	334 g	334 g	
Elmendorf Tear Strength, MD	4.66 g/micron	118 g/mil	ASTM D1922
Elmendorf Tear Strength, TD	4.33 g/micron	110 g/mil	ASTM D1922
Dart Drop	4.19 g/micron	106 g/mil	ASTM D1709A
Film Tensile Strength at Break, MD	23.0 MPa	3340 psi	ASTM D882
Film Tensile Strength at Break, TD	23.0 MPa	3340 psi	ASTM D882

Thermal Properties	Metric	English	Comments
Vicat Softening Point	95.0 °C	203 °F	ASTM D1525

Optical Properties	Metric	English	Comments
Haze	12 %	12 %	ASTM D1003
Gloss	53 %	53 %	at 45°; ASTM D2457

Descriptive Properties	Value	Comments
Process	Film	

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