

Eastman E6838-902F Polyethylene Film (discontinued **)

Category : Polymer , Film , Thermoplastic , Polyethylene (PE) , LDPE , Low Density Polyethylene (LDPE), Molded

Material Notes:

Polyethylene E6838-902F natural contains slip and antiblock and is suggested for film applications. Applications/Uses: Food - contact applications. 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-E6838-902F-Polyethylene-Film-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Base Resin Density	0.920 g/cc	0.0332 lb/in ³	ASTM D4883
Thickness	38.0 microns	1.50 mil	
Base Resin Melt Index	1.3 g/10 min	1.3 g/10 min	ASTM D1238

Mechanical Properties	Metric	English	Comments
Film Tensile Strength at Yield, MD	30.0 MPa	4350 psi	ASTM D882
Film Tensile Strength at Yield, TD	11.0 MPa	1600 psi	ASTM D882
Film Elongation at Break, MD	200 %	200 %	ASTM D882
Film Elongation at Break, TD	750 %	750 %	ASTM D882
Secant Modulus, MD	0.193 GPa	28.0 ksi	0.01; ASTM D882
Secant Modulus, TD	0.240 GPa	34.8 ksi	0.01; ASTM D882
Elmendorf Tear Strength, MD	10.52 g/micron	267.2 g/mil	ASTM D1922
Elmendorf Tear Strength, TD	3.68 g/micron	93.5 g/mil	ASTM D1922
Dart Drop	3.15 g/micron	80.0 g/mil	ASTM D1709
Film Tensile Strength at Break, MD	31.0 MPa	4500 psi	ASTM D882
Film Tensile Strength at Break, TD	21.0 MPa	3050 psi	ASTM D882

Thermal Properties	Metric	English	Comments
Vicat Softening Point	92.0 °C	198 °F	ASTM D1525

Optical Properties	Metric	English	Comments
Haze	8.0 %	8.0 %	ASTM D1003

Optical Properties	65 % Metric	65 % English	at 45° ASTM D2457 Comments
Descriptive Properties		Value	Comments
Process		Film	

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