Eastman E6838-899F Polyethylene (discontinued **)

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

Material Notes:

E6838-899F is a low density formulation with no slip or antiblock. It is suggested for film applications requiring high clarity, good tear and impact strength, a wide heat-sealing range, and good printability. Common end uses include convertor film for food and industrial packaging. Users must make their own determination of its safety, lawfulness, and technical suitability in their intended applications.Unless otherwise noted, all tests are run at 23°C and 50% RH. Extrusion conditions used to produce 1.25 mil blown film: 1.9:1 blow-up ratio.Applications:Converter film for foodFood packagingFood-contact applicationsIndustrial packagingE6838-899F is a low density formulation with no slip or antiblock. It is suggested for film applications requiring high clarity, good tear and impact strength, a wide heat-sealing range, and good printability. Common end uses include convertor film for food and industrial packaging. As supplied by Eastman Chemical, E6838-899F may lawfully be used in food-contact applications under the FDA regulations at 21 CFR 177.1520(c)(2.2). Users must make their own determination of its safety, lawfulness, and technical suitability in their intended applications.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-E6838-899F-Polyethylene-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	0.920 g/cc	0.0332 lb/in³	ASTM D4883
Moisture Vapor Transmission	19.0 cc-mm/m²-24hr-atm	48.3 cc-mil/100 in²-24hr-atm	ASTM F372
Oxygen Transmission	200 cc-mm/m²-24hr-atm	508 cc-mil/100 in²-24hr-atm	ASTM D1434
Thickness	31.8 microns	1.25 mil	
Melt Flow	1.7 g/10 min @Load 2.16 kg, Temperature 190 °C	1.7 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Film Tensile Strength at Yield, MD	28.0 MPa	4060 psi	ASTM D882
Film Tensile Strength at Yield, TD	10.0 MPa	1450 psi	ASTM D882
Film Elongation at Break, MD	380 %	380 %	ASTM D882
Film Elongation at Break, TD	600 %	600 %	ASTM D882
Secant Modulus, MD	0.172 GPa	24.9 ksi	1% Secant; ASTM D882
Secant Modulus, TD	0.193 GPa	28.0 ksi	1% Secant; ASTM D882

Mechanical Properties	Metric	English	Comments
Coefficient of Friction	>= 1.0	>= 1.0	ASTM D1894
Elmendorf Tear Strength MD	320 g	320 g	
Elmendorf Tear Strength TD	150 g	150 g	
Elmendorf Tear Strength, MD	10.1 g/micron	257 g/mil	ASTM D1922
Elmendorf Tear Strength, TD	4.70 g/micron	119 g/mil	ASTM D1922
Dart Drop	2.70 g/micron	68.6 g/mil	ASTM D1709A
Film Tensile Strength at Break, MD	28.0 MPa	4060 psi	ASTM D882
Film Tensile Strength at Break, TD	21.0 MPa	3050 psi	ASTM D882

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

Optical Properties	Metric	English	Comments
Haze	4.5 %	4.5 %	ASTM D1003
Gloss	70 %	70 %	at 45°; ASTM D2457
Transmission, Visible	55 %	55 %	ASTM D1746

Descriptive Properties	Value	Comments
Process	Film	

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com
Email : sales@lookpolymers.com
Tel : +86 021-51131842
Mobile : +86 13061808058
Skype : lookpolymers
Address : United North Road 215,Fengxian District, Shanghai City,China