

SCG Chemicals EL-Leneâ„¢ LD1905F Low Density Polyethylene Film

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

Material Notes:

Key Characteristics: High productivity Good optical properties Can be blended with HDPE, LLDPE Contains 1500 ppm slip agent and 2600 ppm antiblocking agent Recommended Applications: General purpose bag Vegetable and fruit bag Foam, bubble sheet, shoe sole Information provided by SCG Chemicals

Order this product through the following link:

http://www.lookpolymers.com/polymer_SCG-Chemicals-EL-Lene-LD1905F-Low-Density-Polyethylene-Film.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.919 g/cc	0.919 g/cc	ASTM D1505
Thickness	38.0 microns	1.50 mil	
Melt Flow	5.0 g/10 min @Load 2.16 kg, Temperature 190 Â°C	5.0 g/10 min @Load 4.76 lb, Temperature 374 Â°F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Film Tensile Strength at Yield, TD	10.0 MPa	1450 psi	ASTM D882
Film Elongation at Break, MD	400 %	400 %	ASTM D882
Film Elongation at Break, TD	700 %	700 %	ASTM D882
Secant Modulus, MD	0.170 GPa	24.7 ksi	ASTM D882
Secant Modulus, TD	0.190 GPa	27.6 ksi	ASTM D882
Elmendorf Tear Strength, MD	15.7 g/micron	400 g/mil	ASTM D1922
Elmendorf Tear Strength, TD	10.8 g/micron	275 g/mil	ASTM D1922
Dart Drop	3.40 g/micron	86.4 g/mil	ASTM D1709
Dart Drop Test	130 g	0.287 lb	ASTM D1709
Film Tensile Strength at Break, MD	20.0 MPa	2900 psi	ASTM D882
Film Tensile Strength at Break, TD	15.0 MPa	2180 psi	ASTM D882

Thermal Properties	Metric	English	Comments
Melting Point	110 Â°C	230 Â°F	ASTM D2117
Vicat Softening Point	92.0 Â°C	198 Â°F	ASTM D1525

Brittleness Temperature Thermal Properties	<= -74.0 Å°C Metric	<= -101 Å°F English	ASTM D746 Comments
Optical Properties	Metric	English	Comments
Haze	7.0 %	7.0 %	ASTM D1003
Gloss	55 %	55 %	ASTM D2457

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