

SCG Chemicals EL-Leneâ,,ç LD1902F Low Density Polyethylene Film

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

Material Notes:

Key Characteristics:High strengthGood optical propertiesCan be blended with HDPE, LLDPESafe for food contactContains 1400 ppm slip content and 2400 ppm antiblocking contentRecommended Applications:General purpose bag, big bagInformation provided by SCG Chemicals

Order this product through the following link:

http://www.lookpolymers.com/polymer_SCG-Chemicals-EL-Lene-LD1902F-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	2.0 g/10 min @Load 2.16 kg, Temperature 190 Â°C	2.0 g/10 min @Load 4.76 lb, Temperature 374 Â°F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Film Tensile Strength at Yield, TD	12.0 MPa	1740 psi	ASTM D882
Film Elongation at Break, MD	260 %	260 %	ASTM D882
Film Elongation at Break, TD	720 %	720 %	ASTM D882
Secant Modulus, MD	0.250 GPa	36.3 ksi	ASTM D882
Secant Modulus, TD	0.270 GPa	39.2 ksi	ASTM D882
Elmendorf Tear Strength, MD	14.6 g/micron	370 g/mil	ASTM D1922
Elmendorf Tear Strength, TD	3.94 g/micron	100 g/mil	ASTM D1922
Dart Drop	3.90 g/micron	99.1 g/mil	ASTM D1709
Dart Drop Test	150 g	0.331 lb	ASTM D1709
Film Tensile Strength at Break, MD	23.0 MPa	3340 psi	ASTM D882
Film Tensile Strength at Break, TD	19.0 MPa	2760 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	$\leq -71.0 \text{ }^\circ\text{C}$ Metric	$\leq -95.8 \text{ }^\circ\text{F}$ English	ASTM D746 Comments
Optical Properties	Metric	English	Comments
Haze	9.0 %	9.0 %	ASTM D1003
Gloss	50 %	50 %	ASTM D2457

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