

DuPont™ Sclairfilm® LWS-1 LMDPE Film, Laminating, 38.1 μm Thickness (discontinued **)

Category : Polymer , Film , Thermoplastic , Polyethylene (PE) , MDPE , Linear Medium Density Polyethylene (LMDPE), Film

Material Notes:

Data provided by DuPont Packaging Polymers.LWS is a linear medium density polyolefin film produced from Sclair® copolymer resin and designed primarily for laminating end uses. It is treated on one side for both ink and adhesive bonding properties. For laminating to other substrates such as Dartek® nylon film or Mylar® polyester film for heat-in-bag or boil-in-bag applications.

Order this product through the following link:

http://www.lookpolymers.com/polymer_DuPont-Sclairfilm-LWS-1-LMDPE-Film-Laminating-381-m-Thickness-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	0.929 g/cc	0.0336 lb/in ³	
Moisture Vapor Transmission	0.270 cc-mm/m ² -24hr-atm	0.686 cc-mil/100 in ² -24hr-atm	ASTM E96 Procedure E
Water Vapor Transmission	7.00 g/m ² /day	0.451 g/100 in ² /day	ASTM E96 Procedure E
Oxygen Transmission	133 cc-mm/m ² -24hr-atm	338 cc-mil/100 in ² -24hr-atm	or 3500 cc/m ² -24hr-atm for the film. ASTM D3985

Mechanical Properties	Metric	English	Comments
Film Elongation at Break, MD	500 %	500 %	ASTM D882
Tensile Modulus	0.370 GPa	53.7 ksi	ASTM D882
Dart Drop Test	75.0 g	0.165 lb	
Seal Strength	>= 1200 g/25 mm	>= 1200 g/in	Sentinel Sealer Test
Film Tensile Strength at Break, MD	38.0 MPa	5510 psi	ASTM D882

Optical Properties	Metric	English	Comments
Haze	6.0 %	6.0 %	ASTM D1003
Gloss	85 %	85 %	20°; ASTM D2457

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