



DOW™ LLDPE 1630

Linear Low Density Polyethylene Resin

Overview

Dow LLDPE 1630 is a Linear Low Density Polyethylene Resin, 1-hexene copolymer, produced in the Solution Process. This resin is designed to be used in cast extrusion to produce films for industrial applications and consumer packaging.

Complies with:

- U.S. FDA, 21 CFR 177.1520(c)3.2a
- Europe EU Commission Regulation (EU) No 10/2011 (See NOTES)

Consult the regulations for complete details.

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density	0.918 g/cm ³	0.918 g/cm ³	ASTM D792
Melt Index (190°C/2.16 kg)	3.0 g/10 min	3.0 g/10 min	ASTM D1238
Films	Nominal Value (English)	Nominal Value (SI)	Test Method
Film Thickness - Tested	1 mil	20 µm	
Film Puncture Resistance	399 ft-lb/in ³	33.0 J/cm ³	ASTM D5748
Secant Modulus			ASTM D882
2% Secant, MD : 0.79 mil (20 µm)	29300 psi	202 MPa	
2% Secant, TD : 0.79 mil (20 µm)	33500 psi	231 MPa	
Tensile Strength			ASTM D882
MD : Yield, 0.79 mil (20 µm)	809 psi	5.58 MPa	
TD : Yield, 0.79 mil (20 µm)	833 psi	5.74 MPa	
MD : Break, 0.79 mil (20 µm)	1440 psi	9.94 MPa	
TD : Break, 0.79 mil (20 µm)	1060 psi	7.34 MPa	
Tensile Elongation			ASTM D882
MD : Break, 0.79 mil (20 µm)	530 %	530 %	
TD : Break, 0.79 mil (20 µm)	720 %	720 %	
Dart Drop Impact (0.79 mil (20 µm))	140 g	140 g	ASTM D1709
Elmendorf Tear Strength			ASTM D1922
MD : 0.79 mil (20 µm)	200 g	200 g	
TD : 0.79 mil (20 µm)	330 g	330 g	

Notes

These are typical properties only and are not to be construed as specifications. Users should confirm results by their own tests.

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This document is intended for use within Latin America

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