

318B

LLDPE for Cast Film Extrusion

318B is a Linear Low Density Polyethylene (LLDPE) resin designed for easy processing and is specially formulated for optimum thermal stability at high temperatures used in cast film extrusion. Cast films produced from 318B exhibit excellent optical properties and puncture resistance, and good cold temperature properties.

NOTICE: The information and data contained herein are believed to be correct and given in good faith, but because of the many particular factors which are outside our knowledge and control and affect the use of product, no warranty is given or is to be implied with respect to such information, nor do we offer any warranty of immunity against infringement.

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Typical Applications

318B resin is recommended for pallet stretch wrap, melt embossed films, drawdown films and other monolayer and coextruded film applications where high puncture resistance is required.

Physical Properties	Unit	Value ⁽¹⁾	Test Method
Melt index	g/10 min.	2.8	D-1238
Density	g/cm ³	0.918	D-792
Film Properties *			
Tensile strength @ yield	MD TD	MPa	13 10
Tensile strength @ break	MD TD	MPa	30 18.5
Tensile elongation @ break	MD TD	%	470 610
1% Secant modulus	MD TD	MPa	136 142
Dart drop impact, F ₅₀		g	76
Puncture resistance		J/mm	57
Elmendorf tear strength	MD TD	g	65 300
Gloss 60° angle		-	90
Haze		%	1.5

* The film properties have been measured on 318B (30 μ film, 2.5:1 blow-up ratio)
(1) Typical values should not be construed as specification limits.

Processing Conditions

Melt temperatures = 250 - 300° C

Food Regulation

Certificate is available on request.