

LD029

Low Density Polyethylene Film Extrusion Grade

Grade	Additive packages	Applications
LD029A	Slip (None), Antiblock (None)	Industrial Packing, Liners
LD029C	Antiblock(3500 ppm)	Shrink Film, Blends with LLDPE
LD029C	Slip (500ppm), Antiblock (4000ppm)	

PRODUCT DESCRIPTION

LD029 is a certified prime resin with high melt strength and superior bubble stability. It is designed for heavy duty film applications. Superior puncture resistance and toughness, it has excellent shrink film characteristics. LD029 enhances throughputs in LLDPE blends

Properties*	Test Method	Metric Units		English	
		Typical Value	Unit	Typical Value	Unit
Melt Flow Index	ASTM D1238	0.25	g/10 min.	0.25	g/10 min
Density (23°C)	ASTM D792	0.920	g/cm ³	0.920	g/cm ³
Film Properties¹					
Dart Drop Impact Strength F ₅₀	ASTM D1709A	160	g	160	g
Tensile Strength					
MD	ASTM D882	30	MPa	4400	psi
TD	ASTM D882	21	MPa	3000	psi
Yield Strength					
MD	ASTM D882	16	MPa	2300	psi
TD	ASTM D882	10	MPa	1500	psi
Elongation					
MD	ASTM D882	110	%	110	%
TD	ASTM D882	450	%	450	%
1 % Secant Modulus					
MD	ASTM D882	190	MPa	27,600	psi
TD	ASTM D882	230	MPa	33,400	psi
Flexural Modulus	ASTM D790	234	MPa	34000	psi

* Typical Value of Properties which can vary with in specification limits and are not to be construed as specifications.

¹ Film produced in a 3½" (89mm) blown film line, commercials available 8" (203mm) die, 430 °F (221 °C) melt extrusion temperature 2:1 BUR, 2 mil (51 micron) gauge, 0.0025" due gap at 170 lb/hr.

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