

LD2019-A

Low Density Polyethylene

PRODUCT DESCRIPTION

ICELENE LD2019-A is a certified prime resin intended for use in Industrial packaging, liners, foam article. It can also be used by blending with LLDPE. LD2019-A features easy processability, good heat sealing latitude, moderate toughness. LD2019-A contains no slip and no antiblock. LD2019-A complies with FDA regulation 21CFR 177.1520 (c) and with most international regulations concerning the use of Polyethylene in contact with food articles.

Properties*	Test Method	English		SI	
		Typical Value	Unit	Typical Value	Unit
Melt Flow Index (190°C/2.16 kg)	ASTM D1238	2.3	g/10 min.	2.3	g/10 min
Density (23°C)	ASTM D792	0.919	g/cm ³	0.919	g/cm ³
Film Properties'					
Thickness		38	µm	1.5	mil
Tear Strength					
MD	ASTM D1992	225	g	225	g
TD	ASTM D1992	150	g	150	g
Dart Drop Impact Strength F50	ASTM D1709/A	90	g	90	g
Tensile Strength					
MD	ASTM D882	2600	psi	18	Mpa
TD	ASTM D882	2900	psi	16	Mpa
Yield Strength					
MD	ASTM D882	1450	PSI	10	Mpa
TD	ASTM D882	1300	PSI	9	Mpa
Elongation					
MD	ASTM D882	350	%	350	%
TD	ASTM D882	550	%	550	%
1 % Secant Modulus					
MD	ASTM D882	22000	psi	150	Mpa
TD	ASTM D882	25500	psi	175	Mpa
Haze	ASTM D1003	12	%	12	%
Gloss @ 45°	ASTM 2457	40		40	
Coefficient of Friction	ASTM D1894	>0.6		>0.6	

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

' Film properties are typical of blown film extruded at a blowup ratio of 2.5:1, but are dependent upon operating conditions.

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