

ICELENE LL4218 Butene Copolymer LLDPE Film Resins

Applications:

Food packaging, Industrial Liner
Trash Can Liner

Additive packages

AA Slip (0 ppm), Antiblock (0 ppm)
BB Slip (0 ppm), Antiblock (4000 ppm)
CC Slip (1500 ppm), Antiblock (5000 ppm)

PRODUCT DESCRIPTION

ICELENE LL4218 is a certified prime resin intended for use in blown film applications. ICELENE LL4218 resin complies with the specifications contained in the U.S. Food and Drug Administration (FDA) regulation 21 CFR 177.1520 for olefin polymers, para. (c) 3.2a, and may thus be used in the United States as an article or component of an article intended for use in contact with food, without temperature or food-type restrictions, subject to technical suitability.

Properties*	Test Method	Metric Units		English	
		Typical Value	Unit	Typical Value	Unit
Melt Flow Index ²	ASTM D1238	2.0	g/10 min.	2.0	g/10 min
Density (23°C)	ASTM D792	0.918	g/cm ³	0.918	g/cm ³
Film Properties¹					
Tear Strength					
MD	ASTM D1992	50	g	50	g
TD	ASTM D1992	400	g	400	g
Dart Drop Impact Strength F50	ASTM D1709/A	70	g	70	g
Tensile Strength					
MD	ASTM D882	34.5	Mpa	5000	psi
TD	ASTM D882	24.8	Mpa	3600	psi
Yield Strength					
MD	ASTM D882	10.7	MPa	1550	psi
TD	ASTM D882	11	MPa	1600	psi
Elongation					
MD	ASTM D882	450	%	450	%
TD	ASTM D882	850	%	850	%
Gloss 45°	ASTM D523	72		72	
Haze	ASTM D1003	10.4	%	10.4	%

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

¹ Film properties are typical of blown film extruded on a 2.5" extruder with 4" die and 100-mil die gap at a blow up ratio of 2.5:1 but are dependent upon operating Conditions.

² Condition 190°C/2.16 kg.

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