

ICELENE LLDS6018CC Hexene Copolymer LLDPE Film Resins

Applications:

General packaging, Trash bags , can liners.
Ice bags

Additive packages

Slip (1400 ppm), Antiblock (8000ppm)

PRODUCT DESCRIPTION

ICELENE LLDS6018CC is a certified prime resin intended for use in industrial and consumer packaging requiring exceptional strength, especially tear, for maximum downgrading potential for use in all high performance film application, ICELENE LLDS6018CC 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	0.9	g/10 min.	0.9	g/10 min
Density (23°C)	ASTM D792	0.917	g/cm ³	0.917	g/cm ³
Film Properties¹					
Tensile Strength at yield					
MD	ASTM D882	7.9	g	1100	g
TD	ASTM D882	8.1	g	1200	g
Tensile Strength at Break					
MD	ASTM D882	50	Mpa	7700	psi
TD	ASTM D882	42	Mpa	6000	psi
Secant Modulus- 1 % Secant					
MD	ASTM D882	160	MPa	24000	psi
TD	ASTM D882	180	MPa	26000	psi
Elongation					
MD	ASTM D882	600	%	600	%
TD	ASTM D882	710	%	710	%
Elemendorf Tear Strength					
TD	ASTM D1922	410	g	410	g
TD	ASTM D882	600	g	600	g
Dart Drop Impact	ASTM D1709A	580	g	580	g
Gloss (45°)	ASTM D2457	35		35	
Haze	ASTM D1003	25	%	25	%

* 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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