

ICELENE LLD60825 Hexene Copolymer LLDPE Film Resins

Applications:

Bags , Pouches,Can Liner, Food Packaging
Grocery and Merchandise bags
Heavy Duty shipping sacks,Shrink Film

Additive packages

AA Slip (0 ppm), Antiblock (0 ppm)
AS Slip (0 ppm), Antiblock (5000 ppm)
BB Slip (1000 ppm), Antiblock (5500 ppm)
CC Slip (1500 ppm), Antiblock 8000 ppm)

PRODUCT DESCRIPTION

ICELENE LLD60825 is a certified prime resin intended for use in industrial and consumer packaging requiring exceptional tensile , stiffness and toughness properties. These superior properties, along with good drawdown capability, permit usage in many demanding applications. ICELENE LLD60825 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	0.8	g/10 min.	0.8	g/10 min
Density (23°C)	ASTM D792	0.925	g/cm ³	0.925	g/cm ³
Film Properties¹					
Tensile Strength at yield					
MD	ASTM D882	12	Mpa	1700	psi
TD	ASTM D882	13	Mpa	2000	psi
Tensile Strength at Break					
MD	ASTM D882	58	Mpa	8400	psi
TD	ASTM D882	52	Mpa	7540	psi
Secant Modulus- 1 % Secant					
MD	ASTM D882	335	MPa	48600	psi
TD	ASTM D882	365	MPa	52900	psi
Elongation					
MD	ASTM D882	710	%	710	%
TD	ASTM D882	855	%	855	%
Elmendorf Tear Strength					
MD	ASTM D1922	320	g	320	g
TD	ASTM D882	650	g	650	g
Dart Drop Impact	ASTM D1709A	125	g	125	g
Gloss (45°)	ASTM D2457	49		49	
Haze	ASTM D1003	14	%	14	%

* 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 operatin Conditions.

2 Condition 190°C/2.16 kg.

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