

Icelene LD422 Low Density Polyethylene Resin

Applications:

General purpose clarity, Diaper Liners

Additive packages

LD422C :Slip (750 ppm), Antiblock (1500 ppm)

LD422A :Slip (None), Antiblock (None)

PRODUCT DESCRIPTION

ICELENE LD422 is certified prime resin suggested for cast film applications. It has excellent haze , gloss as well as good strength, processability and heat sealability.

Properties*	Test Method	Metric Units		English	
		Typical Value	Unit	Typical Value	Unit
Melt Flow Index ²	ASTM D1238	4.0	g/10 min.	4.0	g/10 min
Density (23°C)	ASTM D1505	0.922	g/cm ³	0.922	g/cm ³
Film Properties¹					
Elemendorf Tear Strength					
MD	ASTM D1992	460	g	460	g
TD	ASTM D1992	100	g	100	g
Dart Impact	ASTM D1709	80	g/mil	80	g/mil
Tensile Strength					
MD	ASTM D882	24	Mpa	3500	psi
TD	ASTM D882	19	Mpa	2700	psi
Elongation					
MD	ASTM D882	350	%	350	%
TD	ASTM D882	700	%	700	%
1 % Secant Modulus					
MD	ASTM D882	173	MPa	25000	psi
TD	ASTM D882	200	Mpa	29000	psi
Gloss	ASTM D2457	70		70	
Haze	ASTM D1003	5.5	%	5.5	%

This product is not intended for use in medical applications and should not be used in any such applications.

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

¹ Test specimen for blown film: nominal thickness 1.25 mils;blow up ratio 2.5:1, die gap 35 mils

² Condition 190°C/2.16 kg.

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