

### Icelene LLD61092 Linear Low Density Polyethylene Resin

**Applications:**

Consumer and Industrial packaging  
High Strength, thin gauge

**Additive packages**

61092.00 Slip (None ), Antiblock (None)  
61092.01 Slip ( 1000ppm), Antiblock (5500ppm)  
61092.02 Slip (1500ppm), Antiblack (5500ppm)

**PRODUCT DESCRIPTION**

ICELENE LLD61092 is certified prime hexene copolymer Linear low-density polyethylene. It is recommended for high strength and thinner gauges application.

Properties*	Test Method	Metric Units		English	
		Typical Value	Unit	Typical Value	Unit
Melt Flow Index <sup>2</sup>	ASTM D1238	1.0	g/10 min.	1.0	g/10 min
Density (23°C)	ASTM D792	0.920	g/cm <sup>3</sup>	0.920	g/cm <sup>3</sup>
<b>Film Properties<sup>1</sup></b>					
Elemendorf Tear Strength					
MD	ASTM D1922	510	g	510	g
TD	ASTM D1922	130	g	130	g
Dart Drop Impact Strength F50	ASTM D1709	170	g/mil	170	g/mil
Tensile Strength at Break					
MD	ASTM D882	50	Mpa	7300	psi
TD	ASTM D882	39	Mpa	5700	psi
Elongation					
MD	ASTM D882	750	%	750	%
TD	ASTM D882	1000	%	1000	%
1 % Secant Modulus					
MD	ASTM D882	220	MPa	32000	psi
TD	ASTM D882	241	Mpa	35000	psi
Haze	ASTM D1003	14	%	14	%

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

<sup>1</sup> Film properties are typical of blown film 1 mil fabricated on a 6" die 2.5" 24:1 L:D barrier screw, 2.4:1 BUR, 100-mil die gap.

<sup>2</sup> Condition 190°C/2.16 kg.

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