

# ICELENE FL2202A

## Liner LDPE Resin with Slip and Antiblock

**Grade**

ICELENE FL2202A

**Applications**

Blend Partner, Cast Film, Food Packaging, Foams, Liners, Shoppers  
 Light Duty Shrink Film, Freezer Film, Lamination Film, Compounding  
 Form Fill and Seal Packaging, Mail Bags, Produce Bags, Textile Packaging

**PRODUCT DESCRIPTION**

ICELENE FL2202A is a certified prime resin intended for use in film applications offering excellent extrusion processing and film optical properties. ICELENE FL2202A resin complies with the specifications contained in the U.S. Food and Drug Administration (FDA) regulation 21 CFR 177.1520, covering safe use of polyolefin articles intended for direct food contact.

Properties*	Test Method	Metric Units		English	
		Typical Value	Unit	Typical Value	Unit
Melt Flow Index, Condition E, 190C°/2.16 kg	ASTM D1238	2.0	g/10 min.	2.0	g/10 min
Density	ASTM D1505	0.923	g/cc	0.923	g/cc
<b>Film Properties<sup>1</sup></b>					
Dart Impact	ASTM D1709	80	g	80	g
Elmendorf Tear Strength					
MD	ASTM D1922	150	g	150	g
TD	ASTM D1922	120	g	120	g
Tensile Strength at Yield					
MD	ASTM D882	11	Mpa	1600	psi
TD	ASTM D882	11	Mpa	1600	psi
Tensile Strength at Break					
MD	ASTM D882	25	MPa	3600	psi
TD	ASTM D882	22	MPa	3200	psi
Elongation at Break					
MD	ASTM D882	330	%	330	%
TD	ASTM D882	550	%	550	%
Secant Modulus @ 1%					
MD	ASTM D882	207	MPa	30000	psi
TD	ASTM D882	227	MPa	33000	psi
Haze	ASTM D1003	6.1	%	6.1	%
Gloss @ 45°	ASTM D2457	63		63	

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

Note: Film properties based on 1.5 mil (38.1 micron) thick film produced on a 2.5 inch (63.5 mm ) blown film line with a 2.5:1 blowup ratio, a melt temperature of 340-360°F (171-182°C), a 30 mil (0.76 mm) die gap at a rate of 8 lbs/hr/in die circumference (1.43kg/hr/cm). Actual film properties may vary based on extrusion equipment, operating conditions and additive package. Film properties are not intended to be used as specifications.

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