

# LD223

## Low Density Polyethylene Film Extrusion Grade

Grade	Additive packages	Applications:
LD223	Slip (750ppm), Antiblock (1000 ppm)	Cast Film, Light Duty Shrink Film, FFS Packaging
LD223A	Slip (None), Antiblock (None)	Foam Application, Freezer Film, Lamination

### PRODUCT DESCRIPTION

LD223 is designed for film extrusion applications with very good optical and strength properties for general purpose clarity packaging. LD223 exhibits good impact strength. LD223 offers excellent extrusion processing and film optical properties.

Properties*	Test Method	Metric Units		English	
		Typical Value	Unit	Typical Value	Unit
Melt Flow Index	ASTM D1238	2.00	g/10 min.	2.00	g/10 min
Density (23°C)	ASTM D1505	0.923	g/cm <sup>3</sup>	0.923	g/cm <sup>3</sup>
<b>Film Properties<sup>1</sup></b>					
Dart Drop Impact Strength F <sub>50</sub>	ASTM D1709	80	g	80	g
Tensile Strength at Break					
MD	ASTM D882	24	MPa	3600	psi
TD	ASTM D882	22	MPa	3200	psi
Tensile Strength at Yield					
MD	ASTM D882	11	MPa	1600	psi
TD	ASTM D882	11	MPa	1600	psi
Tensile Elongation at Break					
MD	ASTM D882	330	%	330	%
TD	ASTM D882	550	%	550	%
1 % Secant Modulus					
MD	ASTM D882	207	MPa	30000	psi
TD	ASTM D882	227	MPa	33000	psi
Elmendorf Tear Strength					
MD	ASTM 1922	150	g	150	psi
TD	ASTM D1922	120	g	120	psi
Haze	ASTM D1003	6.1	%	5	%
Gloss	ASTM D2457	63	%	63	%

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

The technical information, suggested uses and applications presented are made without charge and are believed to be reliable; however, ICD America LLC disclaims responsibility for reliance and results of use of this information. ICD AMERICA LLC. DISCLAIMS ALL WARRANTIES, EXPRESSED OR IMPLIED, CONCERNING THE PRODUCT(S) DESCRIBED HEREINABOVE, INCLUDING ANY WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. ICD America LLC expressly disclaims any statements or suggestions as being inducement. All users should rely upon their own knowledge and testing in determining product suitability.

ICD America LLC  
 150 E 52nd Street, New York, NY 10022  
 Phone:212.644.1500  
[www.icdamerica.com](http://www.icdamerica.com)