

LD220

Low Density Polyethylene Film Extrusion Grade

Grade	Additive packages	Applications:
LD220A	Slip (None), Antiblock (None)	Clarity Film, Film Wrap Food packaging Film, Lamination Film
LD220C	Slip (750), Antiblock (1000)	Packaging Foam, Foam applications, Surface Protection Film

PRODUCT DESCRIPTION

LD220 is designed for film extrusion application with very good optical and strength properties for general purpose clarity packaging. LD220 exhibits good impact strength. LD220 offers excellent extrusion processing and film optical properties. LD220 meets all requirements of the U.S. Food and Drug Administration as specified in 21 CFR.177.1520 ,covering safe use of polyolefins articles intended for direct food contact.

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 ³	0.923	g/cm ³
Film Properties¹					
Dart Drop Impact Strength F50	ASTM D1709	130	g	130	g
Tensile Strength at Break					
MD	ASTM D882	21	MPa	3000	psi
TD	ASTM D882	19	MPa	2700	psi
Tensile Strength at Yield					
MD	ASTM D882	11	MPa	1600	psi
TD	ASTM D882	12	MPa	1700	psi
Tensile Elongation at Break					
MD	ASTM D882	400	%	400	%
TD	ASTM D882	550	%	550	%
1 % Secant Modulus					
MD	ASTM D882	220	MPa	32000	psi
TD	ASTM D882	240	MPa	35000	psi
Elmendorf Tear Strength					
MD	ASTM 1922	300	g	300	g
TD	ASTM D1922	300	g	300	g
Haze	ASTM D1003	5.8	%	5.8	%
Gloss	ASTM D2457	75	%	75	%

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

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