

LD1821

Low Density Polyethylene Film Extrusion Grade

Grade Additive packages Applications

LD1821 Slip (750ppm), Antiblock (1500 ppm) High Clairty Film Extrusion Grade

LD1821A Slip (None), Antiblock (None)
LD1821B Slip (None), Antiblock (1500)

PRODUCT DESCRIPTION

LD1821 is designed for film extrusion application that requires good optical properties for general purpose high clarity packaging.LD1821 exhibits good impact strength on both flat and creased film. LD1821 is recommended for textile packaging, light produce, bread bags and other thin packaging films enhanced by clarity and sparkle. The base resin LD1821 meets the requirements of the Food and Drug Administration, 21 CFR 177.1520. This regulation allows the use of this olefin polymer in "...articles or components of articles intended for use in contact with food..." Specific limitations or conditions of use may apply.

Properties*		Metric Units		English	
	Test Method	Typical Value	Unit	Typical Value	Unit
Melt Flow Index	ASTM D1238	1.80	g/10 min.	1.80	g/10 min
Density (23°C)	ASTM D1505	0.921	g/cm³	0.921	g/cm³
Film Properties¹					
Dart Drop Impact Strength F50	ASTM D1709	90	g	90	g
Tensile Strengh at Break					
MD	ASTM D882	27	MPa	4000	psi
TD	ASTM D882	23	MPa	3400	psi
Tensile Strengh at Yield					
MD	ASTM D882	10.3	MPa	1500	psi
TD	ASTM D882	11	MPa	1600	psi
Tensile Elongation at Break					
MD	ASTM D882	300	%	300	%
TD	ASTM D882	500	%	500	%
1 % Secant Modulus					
MD	ASTM D882	179	MPa	26000	psi
TD	ASTM D882	207	MPa	30000	psi
Elmendorf Tear Strength					
MD	ASTM 1922	360	g	360	psi
TD	ASTM D1922	200	g	200	psi
Haze	ASTM D1003	5	%	5	%
Gloss	ASTM D2457	70	%	70	%

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

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 $^{{\}color{red}^{\star}} \ Typical \ Value \ of \ Properties \ which \ can \ vary \ with \ in \ specification \ limits \ and \ are \ not \ to \ be \ construed \ as \ specifications.$