NOVAPOL® LF-Y824-C

Low Density Polyethylene

NOVA Chemicals

Message:

NOVAPOL®LF-Y824-C is a low density polyethylene material. This product is available in North America and is processed by blowing film.
NOVAPOL®The main features of the LF-Y824-C are:
Antiblock software
Homopolymer
accessible food
beautiful
Transparency
Typical application areas include:
food contact applications
packing
Movie
textile/fiber

General Information			
Additive	Anti-caking agent (1200 ppm)		
Features	Optical Homopolymer Anti-caking property Definition, high Compliance of Food Exposure		
Uses	Packaging Films Textile applications Non-specific food applications		
Agency Ratings	FDA 21 CFR 177.1520(c) 2.2		
Forms	Particle		
Processing Method	Blow film		
Physical	**Nominal Value**	**Unit**	**Test Method**
Specific Gravity	0.924	g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.75	g/10 min	ASTM D1238
Films	**Nominal Value**	**Unit**	**Test Method**
Film Thickness - Tested	38	µm	
secant modulus			ASTM D882
1% secant, MD: 38 µm, blown film	190	MPa	ASTM D882
1% secant, TD: 38 µm, blown film	210	MPa	ASTM D882
Tensile Strength			ASTM D882
MD: Yield, 38 µm, blown film	14.0	MPa	ASTM D882

TD: Yield, 38 µm, blown film	11.0	MPa	ASTM D882
MD: Broken, 38 µm, blown film	23.0	MPa	ASTM D882
TD: Broken, 38 µm, blown film	18.0	MPa	ASTM D882
Tensile Elongation			ASTM D882
MD: Broken, 38 µm, blown film	290	%	ASTM D882
TD: Broken, 38 µm, blown film	520	%	ASTM D882
Dart Drop Impact (38 µm)	130	g	ASTM D1709A
Elmendorf Tear Strength			ASTM D1922
MD: 38 µm, blown film	200	g	ASTM D1922
TD: 38 µm, blown film	250	g	ASTM D1922
Optical	**Nominal Value**	**Unit**	**Test Method**
Gloss (45°, 38.0 µm, Blown Film)	70		ASTM D2457
Haze (38.0 µm, Blown Film)	6.0	%	ASTM D1003
Additional Information	**Nominal Value**	**Unit**	**Test Method**
Low Friction Puncture	130	J/cm	Internal method

Recommended distributors for this material

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