Alkathene® LDF433AB

Linear Low Density Polyethylene

Qenos Pty Ltd

Message:

LDF433AB is a low density polyethylene designed for a variety of medium to heavy gauge (70 - 200µm) applications where increased stiffness is required.
LDF433AB is formulated with antiblock and stabilisation (BHT free).
LDF433AB is intended for use in medium to heavy gauge (70 - 200µm) applications where increased stiffness is required.
LDF433AB is suitable for food contact applications and conforms to the requirements of the United States Food and Drug Administration CFR 21 177.1520, paragraph (c), item 2.1.

General Information			
Additive	Anti-caking agent		
Features	Rigid, good Anti-caking property Compliance of Food Exposure		
Uses	Films		
Agency Ratings	FDA 21 CFR 177.1520(c) 2.1		
Forms	Particle		
Processing Method	Film extrusion		
Physical	**Nominal Value**	**Unit**	**Test Method**
Density	0.925	g/cm³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.38	g/10 min	ASTM D1238
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Coefficient of Friction (Blown Film)	0.40		ASTM D1894
Films	**Nominal Value**	**Unit**	**Test Method**
Film Thickness - Tested	100	µm	
secant modulus			ASTM D882
2% secant, MD: 100 µm	120	MPa	ASTM D882
2% secant, TD: 100 µm	140	MPa	ASTM D882
Tensile Strength			ASTM D882
MD: Yield, 100 µm	11.0	MPa	ASTM D882
TD: Yield, 100 µm	11.0	MPa	ASTM D882
MD: Break, 100 µm	20.0	MPa	ASTM D882
TD: Break, 100 µm	21.0	MPa	ASTM D882
Tensile Elongation			ASTM D882
MD: Break, 100 µm	410	%	ASTM D882
TD: Break, 100 µm	670	%	ASTM D882
Dart Drop Impact (100 µm, Blown Film)	270	g	ASTM D1709
Elmendorf Tear Strength			ASTM D1922
MD : 100 µm	570	g	ASTM D1922

TD : 100 µm	590	g	ASTM D1922
Optical	**Nominal Value**	**Unit**	**Test Method**
Gloss (100 µm, Blown Film)	58		ASTM D2457
Haze (100 µm, Blown Film)	13	%	ASTM D1003
Additional Information			

Film properties taken from blown film processed at a blow up ratio of 3.2:1.

Recommended distributors for this material

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