Alkathene® XLF175

Linear Low Density Polyethylene

Qenos Pty Ltd

Message:

XLF175 is a low density polyethylene of medium density designed to meet the needs of the overwrap market. XLF175 is formulated with a BHT free antioxidant package.
XLF175 is intended primarily for applications such as the overwrap of paper products. It is necessary to add suitable levels of additives, particularly slip, to meet the conversion needs of high speed overwrapping equipment.
XLF175 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	Antioxidation		
Features	Antioxidation 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	0.928	g/cm³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	4.0	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	30	µm	
secant modulus			ASTM D882
2% secant, MD: 30 µm	270	MPa	ASTM D882
2% secant, TD: 30 µm	340	MPa	ASTM D882
Tensile Strength			ASTM D882
MD: Yield, 30 µm	11.0	MPa	ASTM D882
TD: Yield, 30 µm	14.0	MPa	ASTM D882
MD: Break, 30 µm	23.0	MPa	ASTM D882
TD: Break, 30 µm	16.0	MPa	ASTM D882
Tensile Elongation			ASTM D882
MD: Break, 30 µm	280	%	ASTM D882
TD: Break, 30 µm	790	%	ASTM D882
Dart Drop Impact (30 µm, Blown Film)	55	g	ASTM D1709
Elmendorf Tear Strength			ASTM D1922
MD : 30 µm	340	g	ASTM D1922

TD : 30 µm	150	g	ASTM D1922
Optical	**Nominal Value**	**Unit**	**Test Method**
Gloss (30.0 µm, Blown Film)	60		ASTM D2457
Haze (30.0 µm, Blown Film)	8.0	%	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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