Alkathene® XJF143

Linear Low Density Polyethylene

Qenos Pty Ltd

Message:

XJF143 is a low density polyethylene designed for a variety of low gauge (20 - 50μm) general purpose film applications. XJF143 does not contain any additives.

XJF143 is intended for use in a variety of general purpose film applications, typically of the thickness 20 to 50μm, and blending into other film grades

General Information	
Features	General
Uses	Packaging
	Films
	Shield
	Mixing
Agency Ratings	AS 2070-1999 4.1.1(a)
	FDA 21 CFR 177.1520(c) 2.1
Forms	Particle
Processing Method	Film extrusion
	Extrusion
	Injection molding

Physical	Nominal Value	Unit	Test Method
Density	0.921	g/cm³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	2.5	g/10 min	ASTM D1238

Films	Nominal Value	Unit	Test Method
Film Thickness - Tested	32	μm	
secant modulus			ASTM D882
2% secant, MD: 32 μm	150	MPa	ASTM D882
2% secant, TD: 32 μm	180	MPa	ASTM D882
Tensile Strength			ASTM D882
MD: Yield, 32 μm, blown film	10.0	MPa	ASTM D882
TD: Yield, 32 μm, blown film	9.00	MPa	ASTM D882
MD: Broken, 32 μm	22.0	MPa	ASTM D882
TD: Broken, 32 μm	17.0	MPa	ASTM D882
Tensile Elongation			ASTM D882
MD: Broken, 32 μm	290	%	ASTM D882
TD: Broken, 32 μm	810	%	ASTM D882
Dart Drop Impact (32 μm, Blown Film)	70	g	ASTM D1709

Elmendorf Tear Strength			ASTM D1922
MD: 32 µm, blown film	420	g	ASTM D1922
TD : 32 µm	180	g	ASTM D1922
Optical	Nominal Value	Unit	Test Method
Gloss (45 °, 32.0 µm, blown film)	77		ASTM D2457
Haze (32.0 µm, blown film)	5.0	%	ASTM D1003
Additional Information			

Film properties taken from blown film processed at a blow up ratio of 2:1.

Recommended distributors for this material

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