Alkathene® XDS34

Low Density Polyethylene

Qenos Pty Ltd

Message:

XDS34 is a low density polyethylene designed for a variety of heavy gauge (70 - 200 µm) film applications. XDS34 does not contain any additives. XDS34 is intended for applications such as sacks, palletwrap and a variety of industrial films requiring heavy gauge (70 - 200 µm) film.

General Information			
Features	Compliance of Food Exposure		
Uses	Films Industrial application Shield Shell		
Agency Ratings	AS 2070-1999 4.1.1(a) FDA 21 CFR 177.1520(c) 2.1		
Forms	Particle		
Processing Method	Film extrusion		
Physical	**Nominal Value**	**Unit**	**Test Method**
Density	0.922	g/cm³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.30	g/10 min	ASTM D1238
Films	**Nominal Value**	**Unit**	**Test Method**
Film Thickness - Tested	100	µm	
secant modulus			ASTM D882
2% secant, MD: 100 µm, blown film	130	MPa	ASTM D882
2% secant, TD: 100 µm, blown film	140	MPa	ASTM D882
Tensile Strength			ASTM D882
MD: Yield, 100 µm, blown film	11.0	MPa	ASTM D882
TD: Yield, 100 µm, blown film	10.0	MPa	ASTM D882
MD: Broken, 100 µm, blown film	26.0	MPa	ASTM D882
TD: Broken, 100 µm, blown film	23.0	MPa	ASTM D882
Tensile Elongation			ASTM D882
MD: Broken, 100 µm, blown film	610	%	ASTM D882
TD: Broken, 100 µm, blown film	820	%	ASTM D882
Dart Drop Impact (100 µm, Blown Film)	330	g	ASTM D1709
Elmendorf Tear Strength			ASTM D1922
MD: 100 µm, blown film	530	g	ASTM D1922
TD: 100 µm, blown film	690	g	ASTM D1922
Optical	**Nominal Value**	**Unit**	**Test Method**

Gloss (45°, 100 µm, Blown Film)	71		ASTM D2457
Haze (100 µm, Blown Film)	8.0	%	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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