

Starflex GM1835CAX01

Metallocene Linear Low Density Polyethylene
LyondellBasell Industries

Message:

Starflex GM1835CAX01 is a pelletized mLLDPE resin for use in cast film applications that require maximum strength and toughness. GM1835CAX01 contains antioxidant but does not contain slip or antiblock.

GM1835CAX01 meets the requirements of the Food and Drug Administration 21 CFR 177.1520. This regulation allows for, among other things, the use of this olefin polymer in "...articles or components or articles intended for use in contact with food." Certain limitations or conditions of use may apply. Contact your Equistar sales representative for more information.

General Information			
Additive	Antioxidant		
Features	Antioxidant		
	Food Contact Acceptable		
	Good Toughness		
	High Strength		
Uses	Film		
Agency Ratings	FDA 21 CFR 177.1520		
Forms	Pellets		
Processing Method	Film Extrusion		
Physical	Nominal Value	Unit	Test Method
Density	0.918	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	3.5	g/10 min	ASTM D1238
Films	Nominal Value	Unit	Test Method
Film Thickness - Tested	25	µm	ASTM D882
Secant Modulus			
1% Secant, MD : 25 µm	110	MPa	
1% Secant, TD : 25 µm	124	MPa	ASTM D1709A
Dart Drop Impact (25 µm)	200	g	
Elmendorf Tear Strength			
MD : 25 µm	220	g	ASTM D1922
TD : 25 µm	390	g	
Optical	Nominal Value	Unit	Test Method
Gloss (45°, 25.4 µm)	83		ASTM D2457
Haze (25.4 µm)	4.0	%	ASTM D1003
Extrusion	Nominal Value	Unit	
Melt Temperature	204 to 260	°C	

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