

**Preliminary  
Data Sheet**

*Starflex*

# GM1835CAX01

Metallocene Linear Low Density Polyethylene  
Film Extrusion Grade

Melt Index 3.5 Base Resin Density 0.918

**Applications**

*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.

**Regulatory  
Status**

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.

**Processing  
Techniques**

Recommended processing conditions for GM1835CAX01 are a 400° - 500°F melt temperature. Using proper techniques, these products can readily be drawn below 0.9 mils at optimum production rates. Specific recommendations for type of mLLDPE resin and extrusion conditions can only be made when the end use, required properties and extrusion equipment are known. For further information, please contact your Equistar sales representative.

**Typical  
Properties**

Resin	Nominal Value	Units	ASTM Test Method
Melt Index (190/2.16)	3.5	g/10 min	D 1238
Density	0.918	g/cc	D 1505
<b>Film</b>			
Gauge	1.00	mil	
Haze	4	%	D 1003
Gloss, 45°	83	units	D 2457
Dart Drop Impact Strength, F <sub>50</sub>	200	g	D 1709/A
1% Secant Modulus, MD (TD)	16,000 (18,000)	psi	D 882
Elmendorf Tear, MD (TD)	220 (390)	g	D 1922
<b>Additives</b>			
Slip	0	ppm	
Antiblock	0	ppm	
Processing Aid	No		

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