

For more information and technical assistance contact:

Chevron Phillips Chemical Company LP  
P.O. Box 4910  
The Woodlands, TX 77387-4910  
800.231.1212



PREMIUM EXTRUSION AND RIGID PACKAGING RESINS

## Marlex® 1409

LOW DENSITY POLYETHYLENE

This autoclave LDPE homopolymer is tailored for applications that require:

- Good flexibility
- Excellent flow
- Excellent mold release
- Excellent warpage resistance

This resin meets these specifications:

- ASTM D4976 - PE 111
- FDA 21 CFR 177.1520(c) 2.2, use conditions C through G per 21 CFR 176.170(c)

Typical injection molded applications for 1409 include items such as:

- Lids and overcaps for dry and oil-free products
- Masterbatch base resin

NOMINAL PHYSICAL PROPERTIES <sup>(1)</sup>	English	SI	Method
Density	---	0.925 g/cm <sup>3</sup>	ASTM D1505
Melt Index, 190/2.16	---	50.0 g/10 min	ASTM D1238
Tensile Strength at Yield, 2 in/min, Type IV bar	1,700 psi	12 MPa	ASTM D638
Elongation at Break, 2 in/min, Type IV bar	100%	100%	ASTM D638
Flexural Modulus, Tangent - 16:1 span:depth, 0.5 in/min	50,000 psi	340 MPa	ASTM D790
Durometer Hardness, Type D (Shore D)	51	51	ASTM D2240
Vicat Softening Temperature, Loading 1, Rate A	192F	89°C	ASTM D1525
Brittleness Temperature, Type A, Type I specimen	3F	-16°C	ASTM D746

1. The nominal properties reported herein are typical of the product, but do not reflect normal testing variance and therefore should not be used for specification purposes. Values are rounded. The physical properties were determined on compression molded specimens that were prepared in accordance with Procedure C of ASTM D4703, Annex A1.

MSDS #240370

Revision Date April, 2004

Another quality product from



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