PREMIUM EXTRUSION AND RIGID PACKAGING RESINS

Marlex® C101

METALLOCENE LINEAR LOW DENSITY POLYETHYLENE

This linear low density, hexene copolymer is tailored for blow molding containers that require:

- High gloss
- Good clarity
- Excellent ESCR

This resin meets these specifications:

- ASTM D4976 - PE 213
- FDA 21 CFR 177.1520(c) 3.2a, use conditions B through H per 21 CFR 176.170(c)

Typical blow molded applications for C101 include:

- Glossy multilayer bottles
- Squeezable bottles

NOMINAL PHYSICAL PROPERTIES(1)	English	SI	Method
Density	---	0.916 g/cm^3	ASTM D1505
Melt Index, 190/2.16	---	1.4 g/10 min	ASTM D1238
Tensile Strength at Yield, 2 in/min, Type IV bar	1,500 psi	10 MPa	ASTM D638
Elongation at Break, 2 in/min, Type IV bar	600%	600%	ASTM D638
Flexural Modulus, Tangent - 16:1 span:depth, 0.5 in/min	40,000 psi	270 MPa	ASTM D790
ESCR, Condition A (100% Igepal), F_{50}	>1,000 h	>1,000 h	ASTM D1693
ESCR, Condition B (100% Igepal), F_{50}	>1,000 h	>1,000 h	ASTM D1693
Brittleness Temperature, Type A, Type I specimen	<-103°F	<-75°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.

Another quality product from Chevron Phillips Chemical Company LP The Woodlands, Texas