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PREMIUM EXTRUSION AND RIGID PACKAGING RESINS

Marlex® 9514H

HIGH DENSITY POLYETHYLENE

This gas phase, high molecular weight hexene copolymer is tailored for lightweight blow molded applications that:

- Require excellent stiffness to ESCR ratio
- Require good melt strength
- Are durable and recyclable for sustainability

Typical blow molded applications for 9514H include:

- Household and industrial chemical containers
- Large parts

This resin meets these specifications:

- ASTM D4976 - PE 235
- FDA 21 CFR 177.1520(c) 3.2a, use conditions B through H per 21 CFR 176.170(c)

NOMINAL PHYSICAL PROPERTIES ⁽¹⁾	English	SI	Method
Density	---	0.957 g/cm ³	ASTM D1505
Melt Index, 190/2.16	---	0.30 g/10 min	ASTM D1238
Tensile Strength at Yield, 2 in/min, Type IV bar	4,400 psi	30 MPa	ASTM D638
Elongation at Break, 2 in/min, Type IV bar	800%	800%	ASTM D638
Flexural Modulus, Tangent - 16:1 span:depth, 0.5 in/min	205,000 psi	1,410 MPa	ASTM D790
ESCR, Condition B (100% Igepal), F ₅₀	50 h	50 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.

MSDS #240370

Revision Date May, 2007

Another quality product from



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