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PREMIUM EXTRUSION AND RIGID PACKAGING RESINS

## Marlex® HHM 4903

HIGH DENSITY POLYETHYLENE

This high molecular weight hexene copolymer is tailored for blow molded and extruded applications that:

- Require exceptional ESCR
- Require excellent surface appearance
- Require good melt strength
- Are durable and recyclable for sustainability

Typical blow molded applications for HHM 4903 include:

- Fuel containers
- Stadium seats
- Garbage cans
- Large industrial containers

Typical extrusion applications for HHM 4903 include:

- Corrugated sheet

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 <sup>(1)</sup>	English	SI	Method
Density	---	0.949 g/cm <sup>3</sup>	ASTM D1505
Melt Index, 190/2.16	---	0.29 g/10 min	ASTM D1238
Tensile Strength at Yield, 2 in/min, Type IV bar	3,900 psi	26 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	170,000 psi	1,170 MPa	ASTM D790
ESCR, Condition B (100% Igepal), F <sub>50</sub>	>1000 h	>1000 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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