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PREMIUM EXTRUSION AND RIGID PACKAGING RESINS

Marlex[®] 9035

Polyethylene

This hexene copolymer is tailored for injection molded applications that require:

- Excellent flow
- Moderate impact strength
- Good stiffness

This resin meets these specifications:

- ASTM D4976 - PE 231
- FDA 21 CFR 177.1520(c) 3.2a, use conditions B through H per 21 CFR 176.170(c)

Typical injection molded applications for 9035 include items such as:

- Thin wall food containers
- Toys

NOMINAL PHYSICAL PROPERTIES ⁽¹⁾	English	SI	Method
Density	---	0.952 g/cm ³	ASTM D1505
Melt Index , 190/2.16	---	40.0 g/10 min	ASTM D1238
Tensile Strength at Yield , 2 in/min, Type IV bar	3,470 psi	24 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	142,000 psi	979 MPa	ASTM D790
ESCR , Condition B (100% Igepal), F50	<10 h	<10 h	ASTM D1693
Vicat Softening Temperature , Loading 1, Rate A	239°F	115°C	ASTM D1525
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.

Revision Date January, 2009

Another quality product from



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