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PREMIUM EXTRUSION AND RIGID PACKAGING RESINS

## Marlex® K608

HIGH DENSITY POLYETHYLENE

**This extra high molecular weight ethylene homopolymer is tailored for large applications that:**

- Require good ESCR
- Require exceptional rigidity
- Require excellent melt strength
- Require good whiteness in unpigmented parts
- Are durable and recyclable for sustainability

**Typical blow molded applications for K608 include items such as:**

- Table tops

**Typical thermoformed applications for K608 include items such as:**

- Nursery containers
- Dunnage trays
- Large tote boxes

**This resin meets these specifications:**

- ASTM D4976 - PE 245
- FDA 21 CFR 177.1520(c) 2.2, use conditions B through H per 21 CFR 176.170(c)

NOMINAL PHYSICAL PROPERTIES <sup>(1)</sup>	English	SI	Method
<b>Density</b>	---	0.961 g/cm <sup>3</sup>	ASTM D1505
<b>Flow Rate</b> (HLMI, 190/21.6)	---	11.5 g/10 min	ASTM D1238
<b>Tensile Strength at Yield</b> , 2 in/min, Type IV bar	4,300 psi	30.0 MPa	ASTM D638
<b>Elongation at Break</b> , 2 in/min, Type IV bar	800%	800%	ASTM D638
<b>Flexural Modulus</b> , Tangent - 16:1 span:depth, 0.5 in/min	220,000 psi	1,510 MPa	ASTM D790
<b>ESCR</b> , Condition B (100% Igepal), F <sub>50</sub>	35 h	35 h	ASTM D1693
<b>Durometer Hardness</b> , Type D (Shore D)	64	64	ASTM D2240
<b>Vicat Softening Temperature</b> , Loading 1, Rate A	264°F	129°C	ASTM D1525
<b>Heat Deflection Temperature</b> , 66 psi, Method A	187°F	86°C	ASTM D648
<b>Brittleness Temperature</b> , Type A, Type I specimen	<-103°F	<-75°C	ASTM D746
<b>Tensile Impact</b> , Type S bar	105 ft•lb/in <sup>2</sup>	220 kJ/m <sup>2</sup>	ASTM D1822

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.

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Another quality product from



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