

## ExxonMobil HDPE HMA 016 High Density Polyethylene Resin

Category : Polymer , Thermoplastic , Polyethylene (PE) , HDPE

**Material Notes:**

**Product Description:** HMA 016 is a HDPE grade, characterized by fast cycling and good impact strength. It has high gloss and high dimensional stability.  
**Availability:** Africa & Middle East, Asia Pacific and Europe  
**Additive:** Thermal Stabilizer: Yes  
**UV Stabilizer:** Yes

**NoApplications:** Closures Food Packaging Containers Housewares Toys  
 Information provided by ExxonMobil

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_ExxonMobil-HDPE-HMA-016-High-Density-Polyethylene-Resin.php](http://www.lookpolymers.com/polymer_ExxonMobil-HDPE-HMA-016-High-Density-Polyethylene-Resin.php)

Physical Properties	Metric	English	Comments
Density	0.956 g/cc	0.0345 lb/in <sup>3</sup>	ASTM D4883
ESCR 10% Igepal®	2.0 hour @Temperature 50.0 °C	2.0 hour @Temperature 122 °F	F50; ASTM D1963
Melt Flow	20 g/10 min @Load 2.16 kg, Temperature 190 °C	20 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	22.8 MPa	3300 psi	ISO 527-2/1A/50
Elongation at Break	>= 100 %	>= 100 %	ISO 527-2/1A/50
Elongation at Yield	10 %	10 %	ISO 527-2/1A/50
Flexural Modulus	0.896 GPa	130 ksi	ISO 178
Izod Impact, Notched (ISO)	4.20 kJ/m <sup>2</sup>	2.00 ft-lb/in <sup>2</sup>	ISO 180/1A

Thermal Properties	Metric	English	Comments
Melting Point	<= 266 °C	<= 511 °F	Peak Melting Point; ExxonMobil method
Deflection Temperature at 0.46 MPa (66 psi)	66.1 °C	151 °F	ISO 75-2/B

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