

## ExxonMobil HDPE HMA 014 High Density Polyethylene Resin

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

**Material Notes:**

**Product Description:** HMA 014 is a UV stabilized HDPE grade, characterized by excellent dimensional stability, high stiffness and high impact strength.  
**Availability:** Africa & Middle East, Asia Pacific and Europe  
**Additive:** Thermal Stabilizer: Yes  
**UV Stabilizer:** Yes  
**Applications:** Boxes Heavy Duty Crates Large Sized Industrial Parts Trays Wheelie Bins  
 Information provided by ExxonMobil

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_ExxonMobil-HDPE-HMA-014-High-Density-Polyethylene-Resin.php](http://www.lookpolymers.com/polymer_ExxonMobil-HDPE-HMA-014-High-Density-Polyethylene-Resin.php)

Physical Properties	Metric	English	Comments
Density	0.960 g/cc	0.0347 lb/in <sup>3</sup>	ASTM D4883
ESCR 10% Igepal®	6.0 hour @Temperature 50.0 °C	6.0 hour @Temperature 122 °F	F50; ASTM D1963
Melt Flow	4.0 g/10 min @Load 2.16 kg, Temperature 190 °C	4.0 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	24.1 MPa	3500 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	1.03 GPa	150 ksi	ISO 178
Izod Impact, Notched (ISO)	12.0 kJ/m <sup>2</sup>	5.70 ft-lb/in <sup>2</sup>	ISO 180/1A

Thermal Properties	Metric	English	Comments
Melting Point	<= 271 °C	<= 520 °F	Peak Melting Point; ExxonMobil method
Deflection Temperature at 0.46 MPa (66 psi)	67.2 °C	153 °F	ISO 75-2/B

## Contact Songhan Plastic Technology Co.,Ltd.

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