

ExxonMobil™ HDPE HMA 016

High Density Polyethylene Resin

Product Description

HMA 016 is a HDPE grade, characterized by fast cycling and good impact strength. It has high gloss and high dimensional stability.

General

Additive	- Thermal Stabilizer: Yes - UV Stabilizer: No
Applications	- Closures - Housewares - Food Packaging Containers - Toys

Resin Properties	Typical Value (English)	Typical Value (SI)	Test Based On
Density	0.956 g/cm ³	0.956 g/cm ³	ExxonMobil Method
Melt Index (190°C/2.16 kg)	20 g/10 min	20 g/10 min	ASTM D1238
Thermal	Typical Value (English)	Typical Value (SI)	Test Based On
Heat Deflection Temperature (0.45 MPa)	147 °F	64 °C	ISO 75-2/B
Peak Melting Temperature	271 °F	133 °C	ASTM D3418
Molded Properties	Typical Value (English)	Typical Value (SI)	Test Based On
Tensile Stress at Yield	3300 psi	23 MPa	ISO 527-2/1A/50
Tensile Strain at Yield	10 %	10 %	ISO 527-2/1A/50
Tensile Strain at Break	> 100 %	> 100 %	ISO 527-2/1A/50
Flexural Modulus	140000 psi	970 MPa	ISO 178
Environmental Stress-Crack Resistance 122°F (50°C), 10% Igepal	2 hr	2 hr	ASTM D1693
Impact	Typical Value (English)	Typical Value (SI)	Test Based On
Notched Izod Impact Strength	1.9 ft-lb/in ²	4.0 kJ/m ²	ISO 180/1A

