

ExxonMobil HDPE HMA 018 High Density Polyethylene Resin

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

Material Notes:

Product Description: HMA 018 is an easy flow HDPE grade, characterized by high gloss and dimensional stability. Availability: Africa & Middle East, Asia Pacific and Europe Additive: Thermal Stabilizer: Yes UV Stabilizer: No Applications: Food Packaging Containers Housewares – Multicavity Thin-Walled Information provided by ExxonMobil

Order this product through the following link:

http://www.lookpolymers.com/polymer_ExxonMobil-HDPE-HMA-018-High-Density-Polyethylene-Resin.php

Physical Properties	Metric	English	Comments
Density	0.954 g/cc	0.0345 lb/in ³	ASTM D4883
ESCR 10% Igepal®	<= 1.0 hour @Temperature 50.0 °C	<= 1.0 hour @Temperature 122 °F	F50; ASTM D1963
Melt Flow	30 g/10 min @Load 2.16 kg, Temperature 190 °C	30 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	22.1 MPa	3200 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)	3.78 kJ/m ²	1.80 ft-lb/in ²	ISO 180/1A

Thermal Properties	Metric	English	Comments
Melting Point	<= 264 °C	<= 507 °F	Peak Melting Point; ExxonMobil method
Deflection Temperature at 0.46 MPa (66 psi)	63.9 °C	147 °F	ISO 75-2/B

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