

ExxonMobil™ HDPE HMA 014

High Density Polyethylene Resin

ExxonMobil Chemical

Message:

HMA 014 is a high density polyethylene grade stable to ultraviolet rays, which is characterized by excellent shape stability, high stiffness and high impact strength.

General Information

Additive	heat stabilizer
	UV stabilizer

Physical	Nominal Value	Unit	Test Method
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Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	4.0	g/10 min	ASTM D1238
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Environmental Stress-Cracking Resistance (50°C, 10% Igepal)	7.00	hr	ASTM D1693
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Mechanical	Nominal Value	Unit	Test Method
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Tensile Stress (Yield)	26.0	MPa	ISO 527-2/1A/50
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Tensile Strain			ISO 527-2/1A/50
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Yield	9.0	%	ISO 527-2/1A/50
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Fracture	> 100	%	ISO 527-2/1A/50
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Flexural Modulus	1100	MPa	ISO 178
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Impact	Nominal Value	Unit	Test Method
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Notched Izod Impact	10	kJ/m ²	ISO 180/1A
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Thermal	Nominal Value	Unit	Test Method
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Heat Deflection Temperature (0.45 MPa, Unannealed)	74.0	°C	ISO 75-2/B
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Peak Melting Temperature	134	°C	ASTM D3418
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Additional Information

成型性能是使用基于 ISO 294-1 标准的 4 mm(157.5 mil)厚注塑成型试样测定的。1. 0.45 MPa,70 psi 2.ESCR 是基于 2 mm(78.7 mil)厚的模压板(F50,10 % Igepal,50°C,122°F)所测定

Legal statement

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Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

