

ExxonMobil™ HDPE HMA 025

High Density Polyethylene Resin

ExxonMobil Chemical

Message:

HMA 025 is a high-density polyethylene grade, which is characterized by excellent shape stability, impact strength and extremely high stiffness.

General Information			
Additive	heat stabilizer		
Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	8.0	g/10 min	ASTM D1238
Environmental Stress-Cracking Resistance (50°C, 10% Igepal)	4.00	hr	ASTM D1693
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	27.0	MPa	ISO 527-2/1A/50
Tensile Strain			ISO 527-2/1A/50
Yield	9.0	%	ISO 527-2/1A/50
Fracture	> 100	%	ISO 527-2/1A/50
Flexural Modulus	1200	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	6.0	kJ/m ²	ISO 180/1A
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	66.0	°C	ISO 75-2/B
Peak Melting Temperature	135	°C	ASTM D3418

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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