

ExxonMobil™ HDPE HD 6605.70

High Density Polyethylene Copolymer Resin

ExxonMobil Chemical

Message:

HD 6605.70 is an ethane copolymer with narrow molecular weight distribution specially developed for various injection molding applications. Its characteristics include excellent environmental stress cracking resistance and good hardness-toughness balance. It is suitable for ideal items that require high physical properties in low temperature environments.

General Information			
Additive	Anti-smoke fade		
Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	5.0	g/10 min	ASTM D1238
Environmental Stress-Cracking Resistance (10% Igepal, F50)	24.0	hr	ASTM D1693B
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	23.3	MPa	ASTM D638
Flexural Modulus			ASTM D790B
1% secant	1130	MPa	ASTM D790B
2% secant	973	MPa	ASTM D790B
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (-40°C)	55	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			
0.45 MPa, not annealed	69.1	°C	ASTM D648
1.8 MPa, not annealed	42.4	°C	ASTM D648B
Peak Melting Temperature	130	°C	ASTM D3418
Additional Information			

性能基于注塑成型样本.可以修改测试流程以适应操作条件或设施限制.

Legal statement

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