

ExxonMobil™ HDPE HD 6706 Series

High Density Polyethylene Resin

ExxonMobil Chemical

Message:

HD 6706 is an ethane copolymer with narrow molecular weight distribution with good processability and good balance of environmental stress cracking resistance, toughness and hardness. The resin can be ideally used for heavy packaging applications that require stable performance from room temperature to sub-zero temperature conditions.

General Information			
UL YellowCard	E116487-219916		
Additive	HD 6706.62: antistatic property		
	HD 6706.17: oxidation resistance		
Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	6.7	g/10 min	ASTM D1238
Environmental Stress-Cracking Resistance (10% Igepal, F50)	3.67	hr	ASTM D1693B
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	25.9	MPa	ASTM D638
Flexural Modulus			ASTM D790B
1% secant	1300	MPa	ASTM D790B
2% secant	1120	MPa	ASTM D790B
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (-40°C)	49	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			
0.45 MPa, not annealed	74.1	°C	ASTM D648
1.8 MPa, not annealed	46.1	°C	ASTM D648B
Peak Melting Temperature	132	°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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