

ExxonMobil™ HDPE HD 6704.18

High Density Polyethylene Copolymer Resin

ExxonMobil Chemical

Message:

HD 6704 is an ethane copolymer with narrow molecular weight distribution that well balances 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			
Additive	Antioxidation		
Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	4.5	g/10 min	ASTM D1238
Environmental Stress-Cracking Resistance (10% Igepal, F50)	6.33	hr	ASTM D1693B
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	26.2	MPa	ASTM D638
Flexural Modulus			ASTM D790B
1% secant	1330	MPa	ASTM D790B
2% secant	1140	MPa	ASTM D790B
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (-40°C)	59	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			
0.45 MPa, not annealed	70.1	°C	ASTM D648
1.8 MPa, not annealed	44.2	°C	ASTM D648B
Peak Melting Temperature	133	°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.(工业桶满足 UN9)

Legal statement

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