

ExxonMobil™ HDPE HD 6908 Series

High Density Polyethylene Resin

ExxonMobil Chemical

Message:

HD 6908 is a homopolymer with excellent stiffness and a good balance between processability and low temperature impact resistance. The resin can be ideally used for articles that require extremely high stiffness or can be thinned. The material has excellent performance in structural foam articles.

General Information			
UL YellowCard	E117534-220050		
Additive	HD 6908.65: oxidation resistance; Ultraviolet stabilizer HD 6908.19: oxidation resistance		
Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	8.2	g/10 min	ASTM D1238
Environmental Stress-Cracking Resistance (10% Igepal, F50)	3.33	hr	ASTM D1693B
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	30.0	MPa	ASTM D638
Flexural Modulus			ASTM D790B
1% secant	1890	MPa	ASTM D790B
2% secant	1600	MPa	ASTM D790B
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (-40°C)	47	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			
0.45 MPa, not annealed	87.1	°C	ASTM D648
1.8 MPa, not annealed	48.5	°C	ASTM D648B
Peak Melting Temperature	135	°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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