

ExxonMobil™ HDPE HD 6719 Series

High Density Polyethylene Resin

Product Description

HD 6719 is a narrow molecular weight hexene copolymer designed for a wide range of injection molding applications, combining easy processability with good toughness properties. Ideally suited for articles requiring low warpage, glossy surfaces and cold temperature impact resistance.

General

Additive	▪ HD 6719.17: Antioxidant: Yes	▪ HD 6719.62: Antistatic: Yes	
Applications	▪ Food Packaging Containers	▪ Lawn & Garden Accessories	▪ Toys
	▪ Houseware Articles	▪ Soda Carrier Totes	

Resin Properties

	Typical Value (English)	Typical Value (SI)	Test Based On
Density	0.952 g/cm ³	0.952 g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	19.0 g/10 min	19.0 g/10 min	ASTM D1238 (mod)

Thermal

	Typical Value (English)	Typical Value (SI)	Test Based On
Deflection Temperature Under Load (DTUL) at 66psi - Unannealed	164 °F	73 °C	ASTM D648
Deflection Temperature Under Load (DTUL) at 264psi - Unannealed	114 °F	46 °C	ASTM D648B
Peak Melting Temperature	267 °F	131 °C	ASTM D3418

Molded Properties

	Typical Value (English)	Typical Value (SI)	Test Based On
Tensile Strength at Yield	3700 psi	26 MPa	ASTM D638
Elongation at Break	270 %	270 %	ExxonMobil Method
Flexural Modulus			ASTM D790B
1% Secant	180000 psi	1300 MPa	
2% Secant	160000 psi	1100 MPa	
Environmental Stress-Crack Resistance			ASTM D1693B
10% Igepal, F50	< 1 hr	< 1 hr	

Impact

	Typical Value (English)	Typical Value (SI)	Test Based On
Notched Izod Impact (-40°F (-40°C))	0.61 ft·lb/in	32 J/m	ASTM D256

