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

Availability [1]	• Latin America	• North America	• South America
Additive	• HD 6719.17: Antioxidant: Yes	• HD 6719.62: Antistatic: Yes	
Applications	• Food Packaging Containers • Houseware Articles	• Lawn & Garden Accessories • Soda Carrier Totes	• Toys
Revision Date	• March 2013		

Resin Properties	Typical Value (English)		Typical Value (SI)		Test Based On
Density	0.952	g/cm³	0.952	g/cm³	ASTM D4883
Melt Index (190°C/2.16 kg)	19	g/10 min	19	g/10 min	ASTM D1238

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
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

Additional Information

- Properties are based on compression molded samples.
- Test procedures may be modified to accommodate operating conditions or facility limitations.
- Tensile Strength at Yield and Elongation at Break tested using ASTM D638 Type IV, 50 mm/min.

Legal Statement

Contact your ExxonMobil Chemical Customer Service Representative for potential food contact application compliance (e.g. FDA, EU, HPFB).

This product is not intended for use in medical applications and should not be used in any such applications.