

ExxonMobil® HD 6733.17

Product Description: HD 6733 is a narrow molecular weight hexane copolymer designed to maximize injection molding speed and productivity in thin wall articles. Lower processing temperatures enable production of products free of taste and odor for food and beverage packaging.

Physical Properties	Metric	English	Comments
Density	0.950 g/cc	0.0343 lb/in ³	ASTM D4883

Melt Flow	33 g/10 min @Load 2.16 kg, Temperature 190 °C	33 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D1238
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Mechanical Properties	Metric	English	Comments
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Tensile Strength, Yield	23.44 MPa	3400 psi	ASTM D638
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Elongation at Break	20 %	20 %	ASTM D638
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Flexural Modulus	0.965 GPa @Strain 2 %	140 ksi @Strain 2 %	Secant; ASTM D790
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Izod Impact, Notched	0.224 J/cm @Temperature -40.0 °C	0.420 ft-lb/in @Temperature -40.0 °F	ASTM D256
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Thermal Properties	Metric	English	Comments
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Melting Point	129 °C	264 °F	ASTM D3418
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Deflection Temperature at 0.46 MPa (66 psi)	67.0 °C	153 °F	ASTM D648
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Deflection Temperature at 1.8 MPa (264 psi)	38.0 °C	100 °F	ASTM D648
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Descriptive Properties

Features	Standard Processing Antioxidants Stabilizer
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Form	Pellet
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