

Total HDPE HL 717 High Density Polyethylene - Blown Film

Category : Polymer , Film , Thermoplastic , Polyethylene (PE) , HDPE , High Density Polyethylene (HDPE), Film Grade

Material Notes:

HDPE HL 717 is a high density polyethylene produced by the gas phase polymerization process with hexene as a comonomer. HDPE HL 717 is a monomodal HDPE with a broad molecular weight distribution. It is characterized by a good melt strength and a low gel content. HDPE HL 717 is a grade to be used for thin films requiring high rigidity and high heat resistance. HDPE HL 717 can be processed on most HD-, LD-, and LLDPE blown film equipment. Information provided by Total Petrochemicals.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Total-HDPE-HL-717-High-Density-Polyethylene-Blown-Film.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.958 g/cc	0.958 g/cc	ISO 1183
Melt Flow	0.30 g/10 min	0.30 g/10 min	ISO 1133
	@Load 2.16 kg, Temperature 190 °C	@Load 4.76 lb, Temperature 374 °F	
	22 g/10 min	22 g/10 min	ISO 1133
	@Load 21.6 kg, Temperature 190 °C	@Load 47.6 lb, Temperature 374 °F	

Mechanical Properties	Metric	English	Comments
Film Tensile Strength at Yield, MD	34.0 MPa	4930 psi	ISO 527-3
Film Tensile Strength at Yield, TD	31.0 MPa	4500 psi	ISO 527-3
Film Elongation at Break, MD	290 %	290 %	ISO 527-3
Film Elongation at Break, TD	480 %	480 %	ISO 527-3
Flexural Modulus	1.30 GPa	189 ksi	ISO 178
	@Strain <=0.250 %	@Strain <=0.250 %	
Elmendorf Tear Strength, MD	0.500 g/micron	12.7 g/mil	ISO 6383-2
Elmendorf Tear Strength, TD	8.40 g/micron	213 g/mil	ISO 6383-2
Dart Drop Test	75.0 g	0.165 lb	ISO 7765-1
Film Tensile Strength at Break, MD	66.0 MPa	9570 psi	ISO 527-3
Film Tensile Strength at Break, TD	56.0 MPa	8120 psi	ISO 527-3

Thermal Properties	Metric	English	Comments
Melting Point	135 °C	275 °F	ISO 11357

Thermal Properties	Metric	English	Comments
Vicat Softening Point	132 °C	270 °F	ISO 306

Processing Properties	Metric	English	Comments
Processing Temperature	190 - 220 °C	374 - 428 °F	

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