

Total L425 HDPE Film

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

Material Notes:

Blown film polyethylene grade. Provides excellent bubble stability, exceptional tear strength, high impact and puncture resistance, outstanding clarity and gloss, good stiffness, excellent compatibility with LDPE and LLDPE..Applications: L425 is recommended for shrink films, heavy duty sacks, food packaging, laminations and multilayer packaging film.Information provided provided by Total Petrochemicals.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Total-L425-HDPE-Film.php

Physical Properties	Metric	English	Comments
Density	0.925 g/cc	0.0334 lb/in ³	ASTM D792
Thickness	25.4 microns	1.00 mil	as tested; BUR 2.5
Melt Flow	0.40 g/10 min @Load 2.16 kg, Temperature 190 °C	0.40 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D1238
High Load Melt Index	12 g/10 min @Load 21.6 kg, Temperature 190 °C	12 g/10 min @Load 47.6 lb, Temperature 374 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Film Elongation at Break, MD	700 % @Thickness 0.0254 mm	700 % @Thickness 0.00100 in	ASTM D882A
Film Elongation at Break, TD	800 % @Thickness 0.0254 mm	800 % @Thickness 0.00100 in	ASTM D882A
Elmendorf Tear Strength MD	250 g @Thickness 0.0254 mm	250 g @Thickness 0.00100 in	ASTM D1922
Elmendorf Tear Strength TD	800 g @Thickness 0.0254 mm	800 g @Thickness 0.00100 in	ASTM D1922
Dart Drop	11.8 g/micron @Thickness 0.0254 mm	300 g/mil @Thickness 0.00100 in	ASTM D1709A
Dart Drop Test	300 g	0.662 lb	1.0 mil; ASTM D 1709

Mechanical Properties	Metric	English	Comments
Film Tensile Strength at Break, MD	@Thickness 0.0254 mm	@Thickness 0.00100 in	ASTM D882A
Film Tensile Strength at Break, TD	34.5 MPa @Thickness 0.0254 mm	5000 psi @Thickness 0.00100 in	ASTM D882A
1% Secant Modulus, MD	179 MPa @Thickness 0.0254 mm	26000 psi @Thickness 0.00100 in	ASTM D882A
1% Secant Modulus, TD	186 MPa @Thickness 0.0254 mm	27000 psi @Thickness 0.00100 in	ASTM D882A

Thermal Properties	Metric	English	Comments
Melting Point	120 °C	248 °F	ASTM D3417

Descriptive Properties	Value	Comments
Process	Film	
Region	US & Canada	Bamberger Polymers Distribution

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