

## Total HL 428 HDPE film resin

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

**Material Notes:**

Applications: multi-wall liner, poultry multi-layer gas flush bags, mailing envelopes, heavy-duty shipping sacks, fresh cut produce packaging, coextrusion Information provided provided by Total Petrochemicals. Total Petrochemicals acquired former Fina and Atofina plastics product lines.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Total-HL-428-HDPE-film-resin.php](http://www.lookpolymers.com/polymer_Total-HL-428-HDPE-film-resin.php)

Physical Properties	Metric	English	Comments
Density	0.947 g/cc	0.0342 lb/in <sup>3</sup>	ASTM D 792
Water Vapor Transmission	7.76 g/m <sup>2</sup> /day	0.500 g/100 in <sup>2</sup> /day	E 96/66
Thickness	25.4 microns	1.00 mil	
Melt Flow	0.28 g/10 min @Load 2.16 kg	0.28 g/10 min @Load 4.76 lb	ASTM D 1238
High Load Melt Index	20 g/10 min @Load 21.6 kg	20 g/10 min @Load 47.6 lb	ASTM D 1238

Mechanical Properties	Metric	English	Comments
Film Tensile Strength at Yield, TD	>= 25.5 MPa	>= 3700 psi	ASTM D 882 A
Film Elongation at Break, MD	600 %	600 %	ASTM D 882 A
Film Elongation at Break, TD	700 %	700 %	ASTM D 882 A
Elmendorf Tear Strength MD	28 g	28 g	ASTM D 1922
Elmendorf Tear Strength TD	530 g	530 g	ASTM D 1992
Dart Drop Test	100 g	0.221 lb	ASTM D 1709 A
Film Tensile Strength at Break, MD	>= 54.5 MPa	>= 7900 psi	ASTM D 882A
Film Tensile Strength at Break, TD	>= 39.3 MPa	>= 5700 psi	ASTM D 882 A

Thermal Properties	Metric	English	Comments
Melting Point	126 °C	259 °F	ASTM D3417

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