



Formolene® DMP1835H (Preliminary Datasheet)

Linear Low-Density Polyethylene (LLDPE) Resin for Film Extrusion Applications

Formolene® DMP1835H is a metallocene ethylene-hexene based linear low-density film grade designed with outstanding tensile properties, and impact puncture strength. Formolene® DMP1835H properties, along with excellent drawability make this a versatile resin for both monolayer and multilayer packaging and cast stretch film.

Suggested Applications:

Cast Film

Diaper Backsheet

Cast Stretch Film

Hygiene Film

Packaging Films

Personal Care

Nominal Values

PROPERTY	ASTM TEST METHOD	ENGLISH		SI	
		Unit	Value	Unit	Value
Base Density	Internal Method	g/cm ³	0.918	g/cm ³	0.918
Melt Index (190 °C, 2.16 kg)	D1238	g/10 min	3.5	g/10 min	3.5
Tensile Strength at Yield	D882	psi	1200/1100*	MPa	8.3/7.6*
Tensile Strength at Break	D882	psi	11000/6800*	MPa	76/47*
Tensile Elongation	D882	%	510/680*	%	510/680*
Secant Modulus (1% sec)	D882	kpsi	16/18	MPa	110/124
Dart Impact	D1709A	g	140	g	140
Tear Strength	D1922	g	190/500*	g	190/500*
Puncture Force	Internal Method	lbf	11	N	38
Gloss (45°)	D2457		86		86
Haze	D1003	%	2.4	%	2.4

* MD/TD measured on cast film (0.8 mil / 20 micron)

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