

## Low Density Polyethylene LDF0034

### Description:

LDF0034 is a low density polyethylene of high molecular weight that provides high mechanical strength. It is used in extrusion of tubular films with excellent mechanical properties and heat shrinkage.

### Applications:

Shrink film., industrial, hose, agricultural film.

### Processes:

Blown Film Extrusion

### Control Properties:

Feature	Method	Units	Values
Melt Flow Rate (190°C/2.16kg)	ASTM D1238	g/10 min	0.340
Density	ASTM D792	g/cm <sup>3</sup>	0.922

### Typical properties<sup>1</sup>

Feature	Method	Units	Values
Tensile Strength at Break MD/TD	ASTM D 882	MPa	26/22
Strain at Break MD/TD	ASTM D 882	%	238/580
Elasticity Modulus (Secant 1%) MD/TD	ASTM D 882	MPa	200/236
Elmendorf Tear Strength TD	ASTM D 1922	gF	180
Dart Drop Impact	ASTM D 1709/A	gF	140
Haze	ASTM D 1003	%	13

<sup>1</sup> Film properties tested with a monolayer 50 µm thickness blown film, blow up ratio: 2.8, die gap: 1.8 mm. MT=Machine direction, TD= Transversal direction. The optimum processing conditions will vary according to the type of equipment used and cannot be considered as performance guarantee.

### Final Remarks

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