

## Overview of materials for Low Density Polyethylene (LDPE), Liner Grade

Category : Polymer , Thermoplastic , Polyethylene (PE) , LDPE , Low Density Polyethylene (LDPE), Liner Grade

### Material Notes:

This property data is a summary of similar materials in the MatWeb database for the category "Low Density Polyethylene (LDPE), Liner Grade". Each property range of values reported is minimum and maximum values of appropriate MatWeb entries. The comments report the average value, and number of data points used to calculate the average. The values are not necessarily typical of any specific grade, especially less common values and those that can be most affected by additives or processing methods.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Overview-of-materials-for-Low-Density-Polyethylene-LDPE-Liner-Grade.php](http://www.lookpolymers.com/polymer_Overview-of-materials-for-Low-Density-Polyethylene-LDPE-Liner-Grade.php)

Physical Properties	Metric	English	Comments
Density	0.920 - 0.927 g/cc	0.0332 - 0.0335 lb/in <sup>3</sup>	Average value: 0.924 g/cc Grade Count:4
Melt Flow	1.20 - 2.00 g/10 min	1.20 - 2.00 g/10 min	Average value: 1.80 g/10 min Grade Count:4

Mechanical Properties	Metric	English	Comments
Secant Modulus, MD	0.160 - 0.170 GPa	23.2 - 24.7 ksi	Average value: 0.162 GPa Grade Count:4
Secant Modulus, TD	0.180 - 0.200 GPa	26.1 - 29.0 ksi	Average value: 0.185 GPa Grade Count:4
Coefficient of Friction	0.100 - 1.00	0.100 - 1.00	Average value: 0.425 Grade Count:4
Dart Drop	2.20 - 3.30 g/micron	55.9 - 83.8 g/mil	Average value: 2.78 g/micron Grade Count:4

Optical Properties	Metric	English	Comments
Haze	8.00 - 15.0 %	8.00 - 15.0 %	Average value: 11.0 % Grade Count:4
Gloss	39.0 - 80.0 %	39.0 - 80.0 %	Average value: 60.0 % Grade Count:4

Processing Properties	Metric	English	Comments
Melt Temperature	193 - 204 °C	379 - 399 °F	Average value: 199 °C Grade Count:4

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