

## Dow DOWLEX™ 2038 Linear Low Density Polyethylene

Category : Polymer , Film , Thermoplastic , Polyethylene (PE) , LLDPE

### Material Notes:

Linear Low Density Polyethylene Information provided by Dow

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Dow-DOWLEX-2038-Linear-Low-Density-Polyethylene.php](http://www.lookpolymers.com/polymer_Dow-DOWLEX-2038-Linear-Low-Density-Polyethylene.php)

Physical Properties	Metric	English	Comments
Density	0.935 g/cc	0.0338 lb/in <sup>3</sup>	ASTM D792
Melt Index of Compound	1.0 g/10 min	1.0 g/10 min	ASTM D1238

Mechanical Properties	Metric	English	Comments
Film Tensile Strength at Yield, MD	15.23 MPa	2209 psi	ASTM D882
Film Tensile Strength at Yield, TD	16.72 MPa	2425 psi	ASTM D882
Film Elongation at Break, MD	522 %	522 %	ASTM D882
Film Elongation at Break, TD	656 %	656 %	ASTM D882
Secant Modulus, MD	0.377 GPa	54.7 ksi	2% Secant; ASTM D882
Secant Modulus, TD	0.348 GPa	50.5 ksi	2% Secant; ASTM D882
Elmendorf Tear Strength, MD	2.80 g/micron	71.0 g/mil	ASTM D1922
Elmendorf Tear Strength, TD	16.3 g/micron	413 g/mil	ASTM D1922
Dart Drop Test	112 g	0.247 lb	ASTM D1709
Film Tensile Strength at Break, MD	38.34 MPa	5561 psi	ASTM D882
Film Tensile Strength at Break, TD	33.13 MPa	4805 psi	ASTM D882

Thermal Properties	Metric	English	Comments
Melting Point	126 °C	259 °F	Dow Method
Vicat Softening Point	120 °C	248 °F	ASTM D1525

Optical Properties	Metric	English	Comments
Haze	7.0 %	7.0 %	ASTM D1003
Gloss	58 %	58 %	45°; ASTM D2457

## **Contact Songhan Plastic Technology Co.,Ltd.**

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