

## Dow DOWLEX™ 2517 Linear Low Density Polyethylene, Narrow MW Distribution

Category : Polymer , Thermoplastic , Polyethylene (PE) , LLDPE , Linear Low Density Polyethylene (LLDPE), Injection Molded

### Material Notes:

DOWLEX® 2517 Polyethylene resin is a narrow molecular weight distribution copolymer designed to offer excellent environmental stress crack resistance and low temperature properties with excellent flexibility. It has good processability over a wide range of molding conditions. It complies with U.S. FDA Regulation 21 CFR 177.1520 (c) 3.1 (b) for food packaging applications. The regulation should be consulted for complete details. Data provided by Dow Chemical.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Dow-DOWLEX-2517-Linear-Low-Density-Polyethylene-Narrow-MW-Distribution.php](http://www.lookpolymers.com/polymer_Dow-DOWLEX-2517-Linear-Low-Density-Polyethylene-Narrow-MW-Distribution.php)

Physical Properties	Metric	English	Comments
Density	0.917 g/cc	0.0331 lb/in <sup>3</sup>	
Viscosity	47000 cP	47000 cP	Apparent Dynamic Viscosity
	@Shear Rate 5000 1/s, Temperature 190 °C	@Shear Rate 5000 1/s, Temperature 374 °F	
	86000 cP	86000 cP	
Melt Flow	@Shear Rate 1000 1/s, Temperature 190 °C	@Shear Rate 1000 1/s, Temperature 374 °F	Apparent Dynamic Viscosity
	110000 cP	110000 cP	
	@Shear Rate 300 1/s, Temperature 190 °C	@Shear Rate 300 1/s, Temperature 374 °F	
Melt Flow	25 g/10 min	25 g/10 min	Melt flow ratio I10/I2 is 7.3.
	@Load 2.16 kg	@Load 4.76 lb	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	11.1 MPa	1610 psi	
Tensile Strength, Yield	7.30 MPa	1060 psi	
Elongation at Break	650 %	650 %	
Modulus of Elasticity	0.150 GPa	21.8 ksi	Molded Sample 2% Secant Modulus
Flexural Modulus	0.317 GPa	46.0 ksi	
Izod Impact, Notched (ISO)	61.0 kJ/m <sup>2</sup>	29.0 ft-lb/in <sup>2</sup>	
	@Temperature -50.0 °C	@Temperature -58.0 °F	

Thermal Properties	Metric	English	Comments
Vicat Softening Point	88.0 °C	190 °F	

Thermal Properties

Metric

English

Comments

## Contact Songhan Plastic Technology Co.,Ltd.

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