

Dow DOWLEX™ 2507 Linear Low Density Polyethylene, Narrow MW Distribution

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

Material Notes:

DOWLEX® 2507 Polyethylene resin is a narrow molecular weight distribution copolymer designed for fast injection molding of thin wall lids without warping. It has demonstrated excellent processability over a wide range of molding conditions. Potential applications include lids for coffee, frosting, salted snacks, sporting goods containers and many other non-frozen applications. This material complies with U.S. FDA Regulation 21 CFR 177.1520 (c) 3.1(a) 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-2507-Linear-Low-Density-Polyethylene-Narrow-MW-Distribution.php

Physical Properties	Metric	English	Comments
Density	0.930 g/cc	0.0336 lb/in ³	
Viscosity	23000 cP	23000 cP	Apparent Dynamic Viscosity
	@Shear Rate 5000 1/s, Temperature 190 °C	@Shear Rate 5000 1/s, Temperature 374 °F	
	50000 cP	50000 cP	
	@Shear Rate 1000 1/s, Temperature 190 °C	@Shear Rate 1000 1/s, Temperature 374 °F	Apparent Dynamic Viscosity
	77000 cP	77000 cP	Apparent Dynamic Viscosity
	@Shear Rate 300 1/s, Temperature 190 °C	@Shear Rate 300 1/s, Temperature 374 °F	
Melt Flow	150 g/10 min	150 g/10 min	Melt flow ratio I10/I2 is 6.5.
	@Load 2.16 kg	@Load 4.76 lb	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	8.60 MPa	1250 psi	
Tensile Strength, Yield	10.5 MPa	1520 psi	
Elongation at Break	460 %	460 %	
Modulus of Elasticity	0.268 GPa	38.9 ksi	Molded Sample 2% Secant Modulus
Flexural Modulus	0.455 GPa	66.0 ksi	
Izod Impact, Notched (ISO)	29.4 kJ/m ²	14.0 ft-lb/in ²	
	@Temperature -50.0 °C	@Temperature -58.0 °F	

Thermal Properties	Metric	English	Comments
--------------------	--------	---------	----------

Thermal Properties **nt**

Metric

English

Comments

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China