Dow DOWLEX™ 2500 Linear Low Density Polyethylene, Narrow MW Distribution

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

Material Notes:

DOWLEX® 2500 Polyethylene resin is a narrow molecular weight distribution copolymer designed to offer excellent environmental stress crack resistance and tear strength with high impact strength. It provides good processability over a wide range of molding conditions. 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-2500-Linear-Low-Density-Polyethylene-Narrow-MW-Distribution.php

Physical Properties	Metric	English	Comments
Density	0.925 g/cc	0.0334 lb/in³	
Viscosity	35000 cP @Shear Rate 5000 1/s, Temperature 190 °C	35000 cP @Shear Rate 5000 1/s, Temperature 374 °F	Apparent Dynamic Viscosity
	60000 cP @Shear Rate 1000 1/s, Temperature 190 °C	60000 cP @Shear Rate 1000 1/s, Temperature 374 °F	Apparent Dynamic Viscosity
	73000 cP @Shear Rate 300 1/s, Temperature 190 °C	73000 cP @Shear Rate 300 1/s, Temperature 374 °F	Apparent Dynamic Viscosity
Melt Flow	58 g/10 min @Load 2.16 kg	58 g/10 min @Load 4.76 lb	Melt flow ratio I10/I2 is 6.8.

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	9.40 MPa	1360 psi	
Tensile Strength, Yield	10.8 MPa	1570 psi	
Elongation at Break	910 %	910 %	
Modulus of Elasticity	0.210 GPa	30.5 ksi	Molded Sample 2% Secant Modulus
Flexural Modulus	0.380 GPa	55.1 ksi	
Izod Impact, Notched (ISO)	45.0 kJ/m² @Temperature -50.0 °C	21.4 ft-lb/in² @Temperature -58.0 °F	

Thermal Properties	Metric	English	Comments
Vicat Softening Point	97.2 °C	207 °F	

Thermal Properties	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