

Dow HDPE 10462N High Density Polyethylene

Category : Polymer , Thermoplastic , Polyethylene (PE) , HDPE , High Density Polyethylene (HDPE), Impact Grade

Material Notes:

DOW HDPE 10462N resin is a narrow molecular weight distribution polymer designed to offer good stress crack resistance and impact strength with excellent rigidity. This resin has good processability over a wide range of molding conditions. Typical applications are industrial shipping containers, cases/crates etc. It complies with FDA regulation 21 CFR 177.1520 (c) 3.2(a) for food contact applications. Data provided by Dow Chemical.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Dow-HDPE-10462N-High-Density-Polyethylene.php

Physical Properties	Metric	English	Comments
Density	0.962 g/cc	0.0348 lb/in ³	
Viscosity	80000 cP	80000 cP	Apparent Dynamic Viscosity
	@Shear Rate 5000 1/s, Temperature 190 °C	@Shear Rate 5000 1/s, Temperature 374 °F	
	180000 cP	180000 cP	
Melt Flow	@Shear Rate 1000 1/s, Temperature 190 °C	@Shear Rate 1000 1/s, Temperature 374 °F	Apparent Dynamic Viscosity
	260000 cP	260000 cP	
	@Shear Rate 300 1/s, Temperature 190 °C	@Shear Rate 300 1/s, Temperature 374 °F	
Melt Flow	10 g/10 min	10 g/10 min	
	@Load 2.16 kg	@Load 4.76 lb	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	12.4 MPa	1800 psi	
Tensile Strength, Yield	23.4 MPa	3390 psi	
Elongation at Break	1000 %	1000 %	
Modulus of Elasticity	0.745 GPa	108 ksi	Molded Sample 2% Secant Modulus
Flexural Modulus	1.08 GPa	157 ksi	
Izod Impact Resistance	9.61 J/cm ²	45.7 ft-lb/in ²	

Thermal Properties	Metric	English	Comments
Vicat Softening Point	128 °C	262 °F	

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