

Dow DOWLEX™ IP-10 High Density Polyethylene

Category : Polymer , Thermoplastic , Polyethylene (PE) , HDPE , High Density Polyethylene (HDPE), Injection Molded

Material Notes:

Next Generation DOWLEX® IP-10 resin is a high density polyethylene resin specifically designed for reusable case applications including, poultry, fast food, automotive, retail, fresh produce, beverage (soft drinks), food service and chemicals, including plastics. Excellent processability is achieved with Next Generation DOWLEX IP-10 resin due to its easy flow at low temperatures. This material 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-DOWLEX-IP-10-High-Density-Polyethylene.php

Physical Properties	Metric	English	Comments
Density	0.962 g/cc	0.0348 lb/in ³	
Melt Flow	9.0 g/10 min @Load 2.16 kg	9.0 g/10 min @Load 4.76 lb	Melt flow ratio I10/I2 is 8.

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	18.0 MPa	2610 psi	
Tensile Strength, Yield	23.0 MPa	3340 psi	
Elongation at Break	680 %	680 %	
Modulus of Elasticity	0.717 GPa	104 ksi	Molded Sample 2% Secant Modulus
Flexural Modulus	1.08 GPa	157 ksi	
Izod Impact Resistance	5.90 J/cm ²	28.1 ft-lb/in ²	

Thermal Properties	Metric	English	Comments
Vicat Softening Point	129 °C	264 °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