

Dow HDPE 42047N High Density Polyethylene

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

Material Notes:

DOW HDPE 42047N resin is a narrow molecular weight distribution copolymer designed to combine high impact strength and environmental stress crack resistance with excellent processability over a wide range of molding conditions. Typical applications are, housewares, storage and food containers, etc. It complies with FDA regulation 21 CFR 177.1520 (c) 3.1 for food contact applications. Data provided by Dow Chemical.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Dow-HDPE-42047N-High-Density-Polyethylene.php

Physical Properties	Metric	English	Comments
Density	0.947 g/cc	0.0342 lb/in ³	
Melt Flow	42 g/10 min @Load 2.16 kg	42 g/10 min @Load 4.76 lb	Melt flow ratio I10/I2 is 6.5.

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	10.3 MPa	1490 psi	
Tensile Strength, Yield	17.2 MPa	2490 psi	
Elongation at Break	300 %	300 %	
Modulus of Elasticity	0.510 GPa	74.0 ksi	Molded Sample 2% Secant Modulus
Flexural Modulus	0.772 GPa	112 ksi	
Izod Impact Resistance	4.27 J/cm ²	20.3 ft-lb/in ²	

Thermal Properties	Metric	English	Comments
Vicat Softening Point	121 °C	250 °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