

Dow DOWLEX™ NG 3347A Linear Low Density Polyethylene, Ethylene-Octene Copolymer

Category : Polymer , Film , Thermoplastic , Polyethylene (PE) , LLDPE , Linear Low Density Polyethylene (LLDPE)/Octene, Film

Material Notes:

Next Generation DOWLEX® NG 3347A resin with extra stretch performance (ESP) is an ethylene-octene-1 copolymer designed for cast stretch film applications such as industrial pallet wrap. DOWLEX NG 3347A with ESP provides stretch films with superior extensibility and increased resistance to failure around film flaws while maintaining exceptional puncture resistance and load retention. This material complies with U.S. FDA regulation 21 CFR 177.1520 c 3.1(a) for food contact applications. The regulation should be consulted for complete details. Film properties below based on a film thickness of 25 µm. Data provided by Dow Chemical.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Dow-DOWLEX-NG-3347A-Linear-Low-Density-Polyethylene-Ethylene-Octene-Copolymer.php

| Physical Properties | Metric | English | Comments |
|---------------------|-------------------------------|-------------------------------|--------------------------------|
| Density | 0.917 g/cc | 0.0331 lb/in³ | |
| Thickness | 25.0 microns | 0.984 mil | |
| Melt Flow | 2.3 g/10 min @Load 2.16 kg | 2.3 g/10 min @Load 4.76 lb | Melt flow ratio I10/I2 is 7.3. |

| Mechanical Properties | Metric | English | Comments |
|------------------------------------|---------------|-----------|----------|
| Film Tensile Strength at Yield, MD | 9.00 MPa | 1310 psi | |
| Film Tensile Strength at Yield, TD | 8.30 MPa | 1200 psi | |
| Film Elongation at Break, MD | 550 % | 550 % | |
| Film Elongation at Break, TD | 750 % | 750 % | |
| Elmendorf Tear Strength MD | 330 g | 330 g | |
| Elmendorf Tear Strength TD | 540 g | 540 g | |
| Elmendorf Tear Strength, MD | 13.2 g/micron | 335 g/mil | |
| Elmendorf Tear Strength, TD | 21.6 g/micron | 549 g/mil | |
| Film Tensile Strength at Break, MD | 60.0 MPa | 8700 psi | |
| Film Tensile Strength at Break, TD | 34.0 MPa | 4930 psi | |

| Optical Properties | Metric | English | Comments |
|--------------------|--------|---------|----------|
| Haze | 0.80 % | 0.80 % | |
| Gloss | 92 % | 92 % | 45° |

| Optical Properties | Metric | English | Comments |
|------------------------|--------|---------|----------------------------|
| Processing Properties | Metric | English | Comments |
| Processing Temperature | 274 °C | 525 °F | Film extrusion temperature |

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