

Chevron Phillips 4610 LDPE High Clarity, Bakery Packaging Film Resin (discontinued **)

Category : Polymer , Film , Thermoplastic , Polyethylene (PE) , LDPE , Low Density Polyethylene (LDPE), Film Grade

Material Notes:

Resin Type: Homopolymer
Characteristics: Excellent Clarity, Very High Gloss, Medium Slip, No Antiblock, Good Stability at High Drawdown Speeds, Good Printability, Good Heat Seal Characteristics
Applications: Bakery Film, Sanitary Film Packaging
Processing Conditions: Extruder 6.35 cm. Screw L/D Ratio 24:1. Die Opening 0.0508 cm. Film properties below based on film thickness of 31.8 µm. Data provided by Chevron Chemical.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Chevron-Phillips-4610-LDPE-High-Clarity-Bakery-Packaging-Film-Resin-nbspdiscontinued-.php

| Physical Properties | Metric | English | Comments |
|---------------------|--------------|---------------------------|--------------------------|
| Density | 0.925 g/cc | 0.0334 lb/in ³ | ASTM D1505 |
| Melt Flow | 2.2 g/10 min | 2.2 g/10 min | Condition E; ASTM D 1238 |

| Mechanical Properties | Metric | English | Comments |
|-------------------------|---------------|------------|--|
| Secant Modulus, MD | 0.160 GPa | 23.2 ksi | ASTM D882 |
| Secant Modulus, TD | 0.240 GPa | 34.8 ksi | ASTM D882 |
| Coefficient of Friction | 0.10 | 0.10 | ASTM D1894 |
| Dart Drop | 1.40 g/micron | 35.6 g/mil | F ₅₀ ; 1.5 in. dart/26 in. drop height; ASTM D 1709 |

| Optical Properties | Metric | English | Comments |
|-----------------------|--------|---------|---------------------------------|
| Haze | 1.5 % | 1.5 % | ASTM D2457 |
| Gloss | 81 % | 81 % | at 45°. ASTM D 2457 |
| | 130 % | 130 % | at 60°. ASTM D 2457 |
| Transmission, Visible | 90 % | 90 % | clear; thickness not quantified |

| Processing Properties | Metric | English | Comments |
|-----------------------|--------|---------|----------|
| Melt Temperature | 230 °C | 446 °F | |

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