

## LD3920 Series

Technical Data Sheet

## LDPE Film Resin

### Applications

- Heavy Duty Bags
- Industrial Shrink Film
- Heavy Duty Sheeting

### Properties

- Excellent Toughness
- Excellent Impact
- Excellent Puncture

### Grades

- 0319B - No additives
- 0319C - No slip & Antiblock
- 0319F - Medium slip & Antiblock

| PROPERTIES                              | VALUE       | METHOD     |
|---|-------------|------------|
| Melt Index, MI <sub>2</sub> (gm/10 min) | 0.25        | ASTM D1238 |
| Density* (gm/cc)                        | 0.919       | ASTM D1505 |
| Haze* (%)                               | 11.0        | ASTM D1003 |
| Specular Gloss @ 45°                    | -           | ASTM D2457 |
| Dart Impact                             | 210         | ASTM D1709 |
| Ultimate Tensile MD/TD (psi)            | 3000/2850   | ASTM D882  |
| Elongation MD/TD (%)                    | 310/600     | ASTM D882  |
| 1% Secant Modulus MD/TD (psi)           | 24500/27500 | ASTM D882  |
| Elmendorf Tear Strength MD/TD (g)       | 310/190     | ASTM D1922 |

Typical film property as measured on a 2.0 mil blown film sample fabricated at a 2.5:1 B.U.R.

\*Base polymer only.

### FDA

This material complies with FDA regulations in 21 CFR, section 177.1520, paragraph C, section 2.1, for use in articles that contact non-alcoholic food.

### Processing

Extrusion melt temperatures of 360° to 390° are recommended for Trademark's LD3920 Series with blow-up ratios of 1.5:1 or higher.

