

## LD20-008

### Low Density Polyethylene

**LD20-008** is a certified prime resin specially designed for production of shrink wrapping Blown films for case bundling applications requiring excellent shrink performance, very high toughness, good puncture and burn-through resistance. **LD20-008** is also recommended for impact liner films. It features easy processability with excellent film optical and mechanical properties. Minimum recommended film thickness is 1.5 mils. **LD20-008** contains no slip and no antiblock.

| PROPERTIES                            | ASTM  | UNIT              | NOMINAL VALUES |           |
|---------------------------------------|-------|-------------------|----------------|-----------|
| Melt Flow Rate (190 °C, 2.16kg)       | D1238 | g/10 min          | 0.80           |           |
| Density                               | D1505 | g/cm <sup>3</sup> | 0.922          |           |
| Dart Drop Impact (F50, 1.0 mil)       | D1922 | g                 | 95             |           |
| Film Thickness                        |       | mil               | 1.5            |           |
| FILM                                  |       |                   | MD VALUES      | TD VALUES |
| Tensile Strength @ Break              | D882  | psi               | 4500           | 3340      |
| Tensile Strength @ Yield              | D882  | psi               | 1740           | 1740      |
| Elmendorf Tear Strength               | D1922 | g                 | 720            | 140       |
| Tensile Elongation @ Break            | D882  | %                 | 220            | 550       |
| Secant Modulus <sup>3</sup> 1% Secant | D882  | psi               | 27000          | 34100     |
| OPTICAL                               |       |                   | PROCESS        | VALUES    |
| Gloss (45° , 0.984 mil)               | D2457 |                   | Blown Film     | 60        |
| Haze (0.984mil)                       | D1003 | %                 | Blown Film     | 6.8       |



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