



Prime Engineering and Commodity Thermoplastic Resins

## LD 21020 Low Density Polyethylene

**Description:** LD 21020 is a LDPE formulation suggested for injection molding applications.

**Applications:** Container closures / Food packaging / Cosmetics/personal care packaging

**Features:** Excellent gloss, clarity, and warpage resistance  
Good processability on automatic molding equipment  
Complies with FDA 21 CFR 177.1520

| <u>Physical Properties</u>                  | <u>Typical Values</u> | <u>Test Method(s)</u> |
|---|-----------------------|-----------------------|
| Density                                     | 0.920                 | D-4883                |
| Melt Flow Rate – g/10 min<br>(190°C/2.16kg) | 20.0                  | D-1238                |
| Tensile Strength @ break, psi               | 1,200                 | D-638                 |
| Elongation @ break, %                       | 90                    | D-638                 |
| Flexural Modulus, 2% Secant, psi            | 33,000                | D-790                 |

Distributed Exclusively by: Plastic Solutions, Inc.  
15800 Birmingham Hwy – Bldg 500  
Milton, GA 30004  
[www.plasticsolutions.net](http://www.plasticsolutions.net)

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