

## LD20-250

### Low Density Polyethylene

**LD20-250** is a certified prime resin designed for Higher Flow INJECTION MOLDING / COMPOUNDING applications requiring good balance of low warpage and mechanical properties. **LD20-250** features easy processability over a wide range of molding conditions, good clarity, excellent flexibility, and high surface appearance of molded articles. Recommended processing temperature is 170 to 220°C., with mold at 20 to 40°C.

| PROPERTIES                                | ASTM  | UNIT                  | NOMINAL VALUES |
|---|-------|-----------------------|----------------|
| <b>PHYSICAL</b>                           |       |                       |                |
| Melt Flow Rate (190 °C, 2.16kg)           | D1238 | g/10 min              | 25.0           |
| Density                                   | D1505 | g/cm <sup>3</sup>     | 0.923          |
| <b>MECHANICAL</b>                         |       |                       |                |
| Tensile Impact Strength <sup>2</sup>      | D1822 | ft-lb/in <sup>2</sup> | 45.2           |
| Tensile Strength @ Yield <sup>2</sup>     | D638  | psi                   | 1600           |
| Flexural Modulus - 1% Secant <sup>1</sup> | D790  | psi                   | 41k            |
| Tensile Elongation @ Break <sup>2</sup>   | D638  | %                     | 100            |
| Brittleness Temperature                   | D746  | °F                    | 5.0            |
| Vicat Softening Temperature               | D1525 | °F                    | 185            |

Typical Value of Properties not to be construed as specifications

1 - @ 0.051 in/min

2 - @ 2 in/min.



The technical information, suggested uses and applications presented are made without charge and are believed to be reliable; however, the Ravago Group\* disclaims responsibility for reliance and results of use of this information. THE RAVAGO GROUP DISCLAIMS ALL WARRANTIES, EXPRESSED OR IMPLIED, CONCERNING THE PRODUCT(S) DESCRIBED HEREINABOVE, INCLUDING ANY WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. The Ravago Group expressly disclaims any statements or suggestions as being inducement. All users should rely upon their own knowledge and testing in determining product suitability.