



TECHNICAL DATA SHEET

LLDPE

1730 NE Miller Street
McMinnville, OR 97128
(503) 434-5561

LLDPE offers the high environmental stress crack resistance characteristics of linear low-density polyethylene with the processing properties needed for blowmolding and extrusion applications. LLDPE meets the specifications of the Food and Drug Administration regulation 21 CFR 177.1520.

| Physical Properties | Value | Units | ASTM Test Method |
|--|--------|----------|------------------|
| Melt Index | 0.75 | g/10 min | D 1238 |
| Density | 0.9205 | g/cc | D 1505 |
| Tensile Strength @ Break | 2,170 | psi | D 638 |
| Elongation @ Break | >700 | % | D 638 |
| Flexural Modulus | 40,000 | psi | D 790 |
| Low Temperature Brittleness, F ₅₀ | <-42 | C | D 746 |
| Heat Deflection Temperature @66 psi | 48 | C | D 648 |
| Vicat Softening Point | 88 | C | D 1525 |
| Hardness, Shore D | 51 | | D 2240 |
| Environmental Stress Crack Resistance, F ₅₀ | >1,000 | hrs | D 2561 |

This information has been gathered from standard reference materials and/or test data that are believed to be accurate and reliable. Nothing herein shall be deemed to be a warranty or representation, express or implied, with respect to the use of such information or the use of the goods described for any particular purpose alone or in combination with other goods and/or processes, or that their use does not conflict with existing patent rights. No license is granted to practice any patented invention. It is offered solely for your consideration, investigation, and verification.