



# Daelimpoly 5502

High Density Polyethylene



|                                  |                                                                                                                                                            |
|----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Customer Benefits</b>         | <ul style="list-style-type: none"> <li>■ Excellent Processability</li> <li>■ Good Impact Strength</li> <li>■ Good Stiffness</li> </ul>                     |
| <b>Suggested Applications</b>    | <ul style="list-style-type: none"> <li>■ Small &amp; Medium Bottles<br/>( Food, Detergent, Bleach, Cosmetic, Shampoo etc )</li> </ul>                      |
| <b>Processing Recommendation</b> | <ul style="list-style-type: none"> <li>■ Stock Temp. : 180~ 200</li> </ul>                                                                                 |
| <b>Specification Data</b>        | <ul style="list-style-type: none"> <li>■ ASTM D 1248-Type , Class A, Category 5</li> <li>■ FDA Regulation 177. 1520 Suitable for Food Packaging</li> </ul> |

## DaelimPoly 5502 Nominal Physical Properties

| Properties                  | Test Method | Unit              | Value  |
|-----------------------------|-------------|-------------------|--------|
| Melt Index (190 , 2.16Kg)   | ASTM D 1238 | g/10min           | 0.35   |
| Density                     | ASTM D 1505 | g/cm <sup>3</sup> | 0.955  |
| Tensile Yield Strength      | ASTM D 638  | kg/               | 280    |
| Ultimate Elongation         | ASTM D 638  | %                 | >600   |
| Flexural Modulus            | ASTM D 790  | kg/               | 12,000 |
| IZOD Impact Strength (-20 ) | ASTM D 256  | kg. /             | 35     |
| Brittleness Temperature     | ASTM D 746  |                   | <-76   |
| ESCR (Condition B, F50)     | ASTM D 1693 | Hr                | 30     |

\* Physical properties reported herein were determined on compression molded specimens prepared in accordance with procedure c of ASTM D1928.



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