

# Acclear® 8249

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**Material Notes:** Random Copolymer. Suggested fabrication methods: Sheet extrusion; Thermoforming; Extrusion, injection, stretch blow molding

Features: Ultra high clarity, Good impact, Excellent static control

Complies with FDA specification, Title 21, CFR 177.1520.

Typical applications: Bottles, Rigid packaging

Typical property data below from injection molded samples.

| PHYSICAL PROPERTIES                    | VALUES | COMMENTS                           | US / Other Units             |
|--|--------|------------------------------------|------------------------------|
| Density, g/cc                          | 0.906  | ±0.02 g/cc; ASTM D1505             | <a href="#">0.906 g/cc</a>   |
| Linear Mold Shrinkage, cm/cm           | 0.017  | 0.010 to 0.025 cm/cm; ASTM D955    | 0.017 in/in                  |
| Melt Flow, g/10 min                    | 2      | 230°C/2.16 kg; ASTM D1238          | 2 g/10 min                   |
| Water Absorption, %                    | 0.01   | Upper Limit - 24 hours; ASTM D570  | 0.01 %                       |
| Haze, %                                | 11     | ASTM D1003; 50 mil (1.3 mm) plaque | 11 %                         |
| MECHANICAL PROPERTIES                  | VALUES | COMMENTS                           | US / Other Units             |
| Tensile Strength, Yield, MPa           | 32     | ASTM D638                          | <a href="#">4,640 psi</a>    |
| Flexural Modulus, GPa                  | 1.52   | ASTM D790A                         | <a href="#">220 ksi</a>      |
| Impact Strength, Izod, J/cm            | 1.07   | 1/8" (3 mm) notched bar; ASTM D256 | <a href="#">2.0 ft-lb/in</a> |
| THERMAL PROPERTIES                     | VALUES | COMMENTS                           | US / Other Units             |
| Deflection Temperature at 0.46 MPa, °C | 99     | ASTM D648                          | 210 °F                       |

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