



| Property                    | Unit                                                                                              | Test Method | Test Condition                   | Ultra-low Temp resistance copolymer |
|-----------------------------|---------------------------------------------------------------------------------------------------|-------------|----------------------------------|-------------------------------------|
| Model                       |                                                                                                   |             |                                  | AC9830                              |
| Melt Flow Index             | g/10 min                                                                                          | ISO 1133    | 300°C × 1.2kg                    | 12                                  |
| Charpy Impact Strength      | kJ/m²                                                                                             | ISO 179     | 23°C, 4mm, Notched               | 70                                  |
| Specific Gravity            | -                                                                                                 | ISO 1183    | 23°C                             | 1.2                                 |
| Tensile Strength            | Mpa                                                                                               | ISO 527     | 23 °C, 50mm/min                  | 67                                  |
| Flexural Strength           | Mpa                                                                                               | ISO 178     | 23 °C, 2mm/min                   | 98                                  |
| Flexural Modulus            | Mpa                                                                                               | ISO 178     | 23 °C, 2mm/min                   | 2058                                |
| Rockwell Hardness           | R-scale                                                                                           | ISO 2039-2  | 23°C                             | R-120                               |
| Heat Deflection Temperature | °C                                                                                                | ISO 75/A    | Unannealed, 1.8Mpa, 4mm, 120°C/h | 125                                 |
| Molding Shrinkage           | %                                                                                                 | ISO 2577    | -                                | 0.4 ~ 0.8                           |
| Combustibility              |                                                                                                   | UL-94       | File No. E162823                 | v-0 1.5 mm<br>5VA 3 mm              |
| Features                    | Translucency,<br>Mid flow,<br>Flame retardant,<br>Low temperature impact property, UV resistance, |             |                                  |                                     |

All tests were run under laboratory conditions, ASTM, ISO testing procedures.  
The data are intended as a general guide only.

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