



| Property                    | Unit                                                                                  | Test Method | Test Condition                   | Transparent flame retardant |
|-----------------------------|---------------------------------------------------------------------------------------|-------------|----------------------------------|-----------------------------|
| Model                       |                                                                                       |             |                                  | AC3853                      |
| Melt Flow Index             | g/10 min                                                                              | ISO 1133    | 300°C × 1.2kg                    | 12                          |
| Charpy Impact Strength      | kJ/m²                                                                                 | ISO 179     | 23°C, 4mm, Notched               | 75                          |
| Specific Gravity            | -                                                                                     | ISO 1183    | 23°C                             | 1.2                         |
| Tensile Strength            | Mpa                                                                                   | ISO 527     | 23 °C, 50mm/min                  | 70                          |
| Flexural Strength           | Mpa                                                                                   | ISO 178     | 23 °C, 2mm/min                   | 108                         |
| Flexural Modulus            | Mpa                                                                                   | ISO 178     | 23 °C, 2mm/min                   | 2155                        |
| Rockwell Hardness           | R-scale                                                                               | ISO 2039-2  | 23°C                             | R-122                       |
| Heat Deflection Temperature | °C                                                                                    | ISO 75/A    | Unannealed, 1.8Mpa, 4mm, 120°C/h | 128                         |
| Molding Shrinkage           | %                                                                                     | ISO 2577    | -                                | 0.5 ~ 0.7                   |
| Combustibility              |                                                                                       | UL-94       | File No. E162823                 | v-0 2.5 mm                  |
| Features                    | Transparency,<br>Flame retardant,<br>Mid-low flow,<br>UV resistance,<br>Halogen free. |             |                                  |                             |

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

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