

# Akulon<sup>®</sup> Ultraflow K–FP8–FC

## PA6–I

Food Contact Quality, High Impact

| PROPERTIES                             | TYPICAL DATA      | UNIT              | TEST METHOD  |
|----------------------------------------|-------------------|-------------------|--------------|
| <b>RHEOLOGICAL PROPERTIES</b>          | <b>DRY / COND</b> |                   |              |
| Molding shrinkage (parallel)           | 1.6 / *           | %                 | ISO 294–4    |
| Molding shrinkage (normal)             | 1.7 / *           | %                 | ISO 294–4    |
| <b>MECHANICAL PROPERTIES</b>           | <b>DRY / COND</b> |                   |              |
| Tensile modulus                        | 1000 / –          | MPa               | ISO 527–1/–2 |
| Nominal strain at break                | >50 / –           | %                 | ISO 527–1/–2 |
| Yield stress                           | 35 / –            | MPa               | ISO 527–1/–2 |
| Yield strain                           | 6 / –             | %                 | ISO 527–1/–2 |
| Flexural modulus                       | 1040 / –          | MPa               | ISO 178      |
| Flexural strength                      | 35 / –            | MPa               | ISO 178      |
| Charpy impact strength (+23°C)         | N / –             | kJ/m <sup>2</sup> | ISO 179/1eU  |
| Charpy notched impact strength (+23°C) | 100 / –           | kJ/m <sup>2</sup> | ISO 179/1eA  |
| <b>OTHER PROPERTIES</b>                | <b>DRY / COND</b> |                   |              |
| Density                                | 1010 / –          | kg/m <sup>3</sup> | ISO 1183     |