

Akulon[®] K122/F

PA6

Low Viscosity, Neat resin, Food Contact Quality

Print Date: 2024-03-27

| PROPERTIES | TYPICAL DATA | UNIT | TEST METHOD |
|--|--------------|-------|---------------------|
| MECHANICAL PROPERTIES | DRY / COND | | |
| Tensile modulus | 2700 / – | MPa | ISO 527-1/-2 |
| Yield stress | 80 / – | MPa | ISO 527-1/-2 |
| Yield strain | 4.2 / – | % | ISO 527-1/-2 |
| Charpy impact strength (+23°C) | N / – | kJ/m² | ISO 179/1eU |
| Charpy notched impact strength (+23°C) | 5 / – | kJ/m² | ISO 179/1eA |
| THERMAL PROPERTIES | DRY / COND | | |
| Melting temperature (10°C/min) | 220 / * | °C | ISO 11357-1/-3 |
| OTHER PROPERTIES | DRY / COND | | |
| Water absorption | 9.5 / * | % | Sim. to ISO 62 |
| Humidity absorption | 2.5 / * | % | Sim. to ISO 62 |
| Density | 1130 / – | kg/m³ | ISO 1183 |
| MATERIAL SPECIFIC PROPERTIES | DRY / COND | | |
| Viscosity number | 132 / * | cm³/g | ISO 307, 1157, 1628 |

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