

TECHNIACE™ W-870

(PC+AEPDS)

Nippon A&L Inc.

| Processing/Physical Characteristics | Value | Unit | Test Standard |
|--------------------------------------|-------|------------------------|-----------------|
| ISO Data | | | |
| Melt volume-flow rate, MVR | 7.5 | cm ³ /10min | ISO 1133 |
| Temperature | 220 | °C | - |
| Load | 10 | kg | - |
| Other Standards^[S] | | | |
| Molding shrinkage, parallel | 0.5 | % | Producer Method |

S: These properties are reported by the producer according standards that are different to our defaults.

| Mechanical properties | Value | Unit | Test Standard |
|---------------------------------------|-------|-------------------|---------------|
| ISO Data | | | |
| Yield stress | 60 | MPa | ISO 527 |
| Flexural modulus, 23°C | 2400 | MPa | ISO 178 |
| Flexural strength | 94 | MPa | ISO 178 |
| Charpy notched impact strength, +23°C | 55 | kJ/m ² | ISO 179/1eA |
| Rockwell hardness | R 122 | - | ISO 2039-2 |

| Thermal properties | Value | Unit | Test Standard |
|---|-------|-------|----------------|
| ISO Data | | | |
| Temp. of deflection under load, 1.80 MPa | 107 | °C | ISO 75-1/-2 |
| Coeff. of linear therm. expansion, parallel | 73 | E-6/K | ISO 11359-1/-2 |

| Other properties | Value | Unit | Test Standard |
|------------------|-------|-------------------|---------------|
| Density | 1150 | kg/m ³ | ISO 1183 |

| Processing Recommendation Injection Molding | Value | Unit | Test Standard |
|---|-----------|------|---------------|
| Pre-drying - Temperature | 100 - 110 | °C | - |
| Pre-drying - Time | 3 - 6 | h | - |
| Melt temperature | 240 - 280 | °C | - |
| Mold temperature | 40 - 80 | °C | - |

Characteristics**Processing**

Injection Molding

Regional Availability

Asia Pacific

Special Characteristics

U.V. stabilized or stable to weather, Heat stabilized or stable to heat