

**TECHNIACE™ PAX-1427**

(PC+ABS)

Nippon A&amp;L Inc.

| Processing/Physical Characteristics  | Value      | Unit                   | Test Standard   |
|--------------------------------------|------------|------------------------|-----------------|
| <b>ISO Data</b>                      |            |                        |                 |
| Melt volume-flow rate, MVR           | <b>4</b>   | cm <sup>3</sup> /10min | ISO 1133        |
| Temperature                          | <b>220</b> | °C                     | -               |
| Load                                 | <b>10</b>  | kg                     | -               |
| <b>Other Standards<sup>[S]</sup></b> |            |                        |                 |
| Molding shrinkage, parallel          | <b>0.5</b> | %                      | Producer Method |

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

| Mechanical properties                 | Value        | Unit              | Test Standard |
|---------------------------------------|--------------|-------------------|---------------|
| <b>ISO Data</b>                       |              |                   |               |
| Yield stress                          | <b>43</b>    | MPa               | ISO 527       |
| Flexural modulus, 23°C                | <b>1900</b>  | MPa               | ISO 178       |
| Flexural strength                     | <b>64</b>    | MPa               | ISO 178       |
| Charpy notched impact strength, +23°C | <b>40</b>    | kJ/m <sup>2</sup> | ISO 179/1eA   |
| Rockwell hardness                     | <b>R 110</b> | -                 | ISO 2039-2    |

| Thermal properties                          | Value     | Unit  | Test Standard  |
|---|-----------|-------|----------------|
| <b>ISO Data</b>                             |           |       |                |
| Temp. of deflection under load, 1.80 MPa    | <b>97</b> | °C    | ISO 75-1/-2    |
| Coeff. of linear therm. expansion, parallel | <b>89</b> | E-6/K | ISO 11359-1/-2 |

| Other properties | Value       | Unit              | Test Standard |
|------------------|-------------|-------------------|---------------|
| Density          | <b>1120</b> | kg/m <sup>3</sup> | ISO 1183      |

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

**Characteristics****Processing**

Injection Molding

**Regional Availability**

Asia Pacific

**Special Characteristics**

Platable