

**Xyron™ AT610**

(PA\*+PPE)

Asahi Kasei

| <b>Mechanical properties</b>          | <b>Value</b> | <b>Unit</b>       | <b>Test Standard</b> |
|---------------------------------------|--------------|-------------------|----------------------|
| <b>ISO Data</b>                       |              |                   |                      |
| Tensile Strength                      | <b>66</b>    | MPa               | ISO 527              |
| Flexural modulus, 23°C                | <b>2300</b>  | MPa               | ISO 178              |
| Flexural strength                     | <b>99</b>    | MPa               | ISO 178              |
| Charpy notched impact strength, +23°C | <b>20</b>    | kJ/m <sup>2</sup> | ISO 179/1eA          |

| <b>Thermal properties</b>                   | <b>Value</b> | <b>Unit</b> | <b>Test Standard</b> |
|---|--------------|-------------|----------------------|
| <b>ISO Data</b>                             |              |             |                      |
| Coeff. of linear therm. expansion, parallel | <b>90</b>    | E-6/K       | ISO 11359-1/-2       |
| <b>ASTM Data</b>                            |              |             |                      |
| DTUL @ 264 psi                              | <b>113</b>   | °C          | ASTM D 648           |

| <b>Other properties</b> | <b>Value</b> | <b>Unit</b>       | <b>Test Standard</b> |
|-------------------------|--------------|-------------------|----------------------|
| Density                 | <b>1090</b>  | kg/m <sup>3</sup> | ISO 1183             |

| <b>Processing Recommendation Injection Molding</b> | <b>Value</b>     | <b>Unit</b> | <b>Test Standard</b> |
|--|------------------|-------------|----------------------|
| Pre-drying - Temperature                           | <b>110 - 130</b> | °C          | -                    |
| Pre-drying - Time                                  | <b>2 - 4</b>     | h           | -                    |
| Melt temperature                                   | <b>280 - 300</b> | °C          | -                    |
| Mold temperature                                   | <b>60 - 120</b>  | °C          | -                    |

**Characteristics****Processing**

Injection Molding

**Regional Availability**

North America, Europe, Asia Pacific