

XYRON™ X8610

(PPE+PS)-CF10

Asahi Kasei

| Mechanical properties | Value | Unit | Test Standard |
|--|-------|-------------------|---------------|
| ISO Data | | | |
| Tensile Strength | 96 | MPa | ISO 527 |
| Flexural modulus, 23°C | 8500 | MPa | ISO 178 |
| Flexural strength | 140 | MPa | ISO 178 |
| ^[C] Charpy notched impact strength, +23°C | 7 | kJ/m ² | ISO 179/1eA |

[C]: CAMPUS

| Thermal properties | Value | Unit | Test Standard |
|--|-------|-------|-----------------|
| ISO Data | | | |
| Temp. of deflection under load, 1.80 MPa | 120 | °C | ISO 75-1/-2 |
| Coeff. of linear therm. expansion, parallel | 40 | E-6/K | ISO 11359-1/-2 |
| ^[C] Burning Behav. at 1.5 mm nom. thickn. | V-1 | class | IEC 60695-11-10 |
| Thickness tested | 1.5 | mm | - |

[C]: CAMPUS

| Electrical properties | Value | Unit | Test Standard |
|------------------------------------|-------|-------|---------------|
| ISO Data | | | |
| ^[C] Volume resistivity | 100 | Ohm*m | IEC 62631-3-1 |
| ^[C] Surface resistivity | 100 | Ohm | IEC 62631-3-2 |

[C]: CAMPUS

| Other properties | Value | Unit | Test Standard |
|---------------------------------|-------|-------------------|----------------|
| ^[C] Water absorption | 0.06 | % | Sim. to ISO 62 |
| ^[C] Density | 1160 | kg/m ³ | ISO 1183 |

[C]: CAMPUS

| Processing Recommendation Injection Molding | Value | Unit | Test Standard |
|---|-----------|------|---------------|
| Pre-drying - Temperature | 90 - 100 | °C | - |
| Pre-drying - Time | 2 - 4 | h | - |
| Melt temperature | 250 - 300 | °C | - |
| Mold temperature | 60 - 90 | °C | - |

Characteristics**Processing**

Injection Molding

Special Characteristics

Increased electrical conductivity

Regional Availability

North America, Europe, Asia Pacific, South and Central America, Near East/Africa