# TORELINA® A604 CX1

PPS-GF40 — Toray Industries, Inc.

| Processing/Physical Characteristics | Value | Unit | Test Standard |
|---|---|---|---|
| **Other Standards[S]** | | | |
| Molding shrinkage, parallel | **0.2** | % | Producer Method |
| Molding shrinkage, normal | **0.8** | % | 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** | | | |
| Tensile Strength | **200** | MPa | ISO 527 |
| Strain at break | **1.9** | % | ISO 527 |
| Flexural modulus, 23°C | **15000** | MPa | ISO 178 |
| Flexural strength | **290** | MPa | ISO 178 |
| Charpy impact strength, +23°C | **60** | kJ/m² | ISO 179/1eU |
| Charpy notched impact strength, +23°C | **11** | kJ/m² | ISO 179/1eA |
| Rockwell hardness | **R 122** | - | ISO 2039-2 |
| **Other Standards[S]** | | | |
| Taber Abrasion Resistance | **50** | mg/1000 cycles | ISO 9352 |

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

| Thermal properties | Value | Unit | Test Standard |
|---|---|---|---|
| **ISO Data** | | | |
| Melting temperature, 10°C/min | **278** | °C | ISO 11357-1/-3 |
| Temp. of deflection under load, 1.80 MPa | **260** | °C | ISO 75-1/-2 |
| Coeff. of linear therm. expansion, parallel | **23** | E-6/K | ISO 11359-1/-2 |
| Coeff. of linear therm. expansion, normal | **35** | E-6/K | ISO 11359-1/-2 |
| Burning behav. at thickness h | **V-0** | class | IEC 60695-11-10 |
| Thickness tested | **0.2** | mm | - |

| Electrical properties | Value | Unit | Test Standard |
|---|---|---|---|
| **ISO Data** | | | |
| Electric strength | **24** | kV/mm | IEC 60243-1 |
| **Other Standards[S]** | | | |
| Relative permittivity, 1MHz | **3.6** | - | IEC 60250 |
| Dissipation factor, 1MHz | **20** | E-4 | IEC 60250 |
| Volume resistivity | **1E14** | Ohm*m | IEC 60093 |

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

| Other properties | Value | Unit | Test Standard |
|---|---|---|---|
| Density | **1660** | kg/m³ | ISO 1183 |

## Characteristics

**Processing**

Injection Molding

**Applications**

Automotive

**Regional Availability**

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