

PULSE™ XT50

(PC+ABS)

Trinseo

| Processing/Physical Characteristics | Value | Unit | Test Standard |
|-------------------------------------|-------|---------|-----------------|
| ISO Data | | | |
| Melt flow index, MFI | 25 | g/10min | ISO 1133 |
| Temperature | 260 | °C | - |
| Load | 5 | kg | - |
| Molding shrinkage, parallel | 0.6 | % | ISO 294-4, 2577 |

| Mechanical properties | Value | Unit | Test Standard |
|---------------------------------------|-------|-------------------|---------------|
| ISO Data | | | |
| Tensile Modulus | 2300 | MPa | ISO 527 |
| Yield stress | 47 | MPa | ISO 527 |
| Strain at break | >50 | % | ISO 527 |
| Charpy notched impact strength, +23°C | 50 | kJ/m ² | ISO 179/1eA |
| Charpy notched impact strength, -30°C | 25 | kJ/m ² | ISO 179/1eA |

| Thermal properties | Value | Unit | Test Standard |
|---|-------|-------|----------------|
| ISO Data | | | |
| Temp. of deflection under load, 1.80 MPa | 94 | °C | ISO 75-1/-2 |
| Vicat softening temperature, B | 111 | °C | ISO 306 |
| Coeff. of linear therm. expansion, parallel | 75 | E-6/K | ISO 11359-1/-2 |

| Other properties | Value | Unit | Test Standard |
|------------------|-------|-------------------|---------------|
| Density | 1100 | kg/m ³ | ISO 1183 |
| Bulk density | 630 | kg/m ³ | - |

| Processing Recommendation Injection Molding | Value | Unit | Test Standard |
|---|-----------|------|---------------|
| Pre-drying - Temperature | 100 | °C | - |
| Pre-drying - Time | 4 | h | - |
| Melt temperature | 255 - 280 | °C | - |
| Mold temperature | 60 - 80 | °C | - |

Characteristics**Processing**

Injection Molding

Special Characteristics

Heat stabilized or stable to heat

Features

High Gloss

Applications

Automotive

Regional Availability

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