

Experimental XQ 83625.00

PC-GF30

Trinseo

| Processing/Physical Characteristics | Value | Unit | Test Standard |
|-------------------------------------|-------|---------|---------------|
| ASTM Data | | | |
| Melt Flow Index, MFI | 12 | g/10min | ASTM D 1238 |
| Temperature | 230 | °C | - |
| Load | 3.8 | kg | - |
| Mold Shrinkage, MD | 0.003 | mm/mm | ASTM D 955 |

| Mechanical properties | Value | Unit | Test Standard |
|-----------------------------|-------|------|---------------|
| ASTM Data | | | |
| Tensile Strength at Yield | 116 | MPa | ASTM D 638 |
| Elongation at Break | 3 | % | ASTM D 638 |
| Flexural Modulus | 7515 | MPa | ASTM D 790 |
| Flexural Strength | 155 | MPa | ASTM D 790 |
| Izod Impact notched, 1/8 in | 123 | J/m | ASTM D 256 |

| Thermal properties | Value | Unit | Test Standard |
|----------------------------------|-------|-------|-----------------|
| ISO Data | | | |
| Burning behav. 5V at thickness h | 5VA | class | IEC 60695-11-20 |
| Thickness tested | 2.0 | mm | - |
| ASTM Data | | | |
| UL 94 Flame rating | V-0 | - | UL 94 |
| Thickness tested | 1 | mm | - |
| DTUL @ 66 psi | 92.2 | °C | ASTM D 648 |
| DTUL @ 264 psi | 101 | °C | ASTM D 648 |

| Other properties | Value | Unit | Test Standard |
|------------------|-------|-------------------|---------------|
| Density | 1400 | kg/m ³ | ASTM D 792 |

| Processing Recommendation Injection Molding | Value | Unit | Test Standard |
|---|-----------|------|---------------|
| Pre-drying - Temperature | 110 | °C | - |
| Pre-drying - Time | 6 - 8 | h | - |
| Mold temperature | 60 - 100 | °C | - |
| Zone 1 | 250 - 260 | °C | - |
| Zone 2 | 260 - 270 | °C | - |
| Zone 3 | 260 - 280 | °C | - |
| Nozzle temperature | 270 - 300 | °C | - |

Characteristics**Processing**

Injection Molding

Special Characteristics

Flame retardant, Phosphorus-free

Applications

IT / Business Machine, Encapsulation

Regional Availability

Europe, Asia Pacific, Near East/Africa