

EMERGE™ PC/ABS 7760

(PC+ABS)

Trinseo

| Processing/Physical Characteristics | Value | Unit | Test Standard |
|-------------------------------------|-------|---------|---------------|
| ASTM Data | | | |
| Melt Flow Index, MFI | 3 | g/10min | ASTM D 1238 |
| Temperature | 230 | °C | - |
| Load | 3.8 | kg | - |

| Mechanical properties | Value | Unit | Test Standard |
|--------------------------------------|-------|------|---------------|
| ASTM Data | | | |
| Tensile Modulus | 2780 | MPa | ASTM D 638 |
| Tensile Strength at Yield | 67 | MPa | ASTM D 638 |
| Tensile Strength at Break | 62 | MPa | ASTM D 638 |
| Elongation at Yield | 5 | % | ASTM D 638 |
| Elongation at Break | 71 | % | ASTM D 638 |
| Flexural Modulus | 2560 | MPa | ASTM D 790 |
| Flexural Strength | 104 | MPa | ASTM D 790 |
| Rockwell Hardness | R 121 | - | ASTM D 785 |
| Izod Impact notched, Low-Temperature | 130 | J/m | ASTM D 256 |
| Temperature | -30 | °C | - |
| Izod Impact unnotched, 1/8 in | 740 | J/m | ASTM D 256 |

| Thermal properties | Value | Unit | Test Standard |
|--------------------------------------|-------|-------|---------------|
| ASTM Data | | | |
| UL 94 Flame rating | V-0 | - | UL 94 |
| Thickness tested | 1.5 | mm | - |
| Coefficient of Thermal Expansion, MD | 76 | E-6/K | ASTM D 696 |
| Coefficient of Thermal Expansion, TD | 67 | E-6/K | ASTM D 696 |
| DTUL @ 66 psi | 98 | °C | ASTM D 648 |
| DTUL @ 264 psi | 86 | °C | ASTM D 648 |
| Vicat Temperature | 104 | °C | ASTM D 1525 |
| Limiting Oxygen Index | 33 | % | ASTM D 2863 |

| Other properties | Value | Unit | Test Standard |
|------------------|-------|-------------------|---------------|
| Density | 1190 | kg/m ³ | ASTM D 792 |

Characteristics**Processing**

Other Extrusion

Special Characteristics

Flame retardant, High impact or impact modified

Certifications

Medical Grade, Biocompatibility ISO 10993

Applications

IT / Business Machine, Electrical and Electronical, Medical

Regional Availability

North America