

NIBLEND S85

(PC+ABS)

Soredi S.p.a.

| Processing/Physical Characteristics | Value | Unit | Test Standard |
|-------------------------------------|-------|---------|---------------|
| ASTM Data | | | |
| Melt Flow Index, MFI | 18 | g/10min | ASTM D 1238 |
| Temperature | 260 | °C | - |
| Load | 5 | kg | - |
| Mold Shrinkage, MD | 0.006 | mm/mm | ASTM D 955 |

| Mechanical properties | Value | Unit | Test Standard |
|--------------------------------------|-------|------|---------------|
| ASTM Data | | | |
| Tensile Strength at Yield | 55 | MPa | ASTM D 638 |
| Flexural Modulus | 2300 | MPa | ASTM D 790 |
| Flexural Strength | 75 | MPa | ASTM D 790 |
| Rockwell Hardness | R 118 | - | ASTM D 785 |
| Izod Impact notched, 1/8 in | 480 | J/m | ASTM D 256 |
| Izod Impact notched, Low-Temperature | 144 | J/m | ASTM D 256 |
| Temperature | -20 | °C | - |

| Thermal properties | Value | Unit | Test Standard |
|---|-------|-------|----------------|
| ISO Data | | | |
| Coeff. of linear therm. expansion, normal | 70 | E-6/K | ISO 11359-1/-2 |
| ASTM Data | | | |
| UL 94 Flame rating | HB | - | UL 94 |
| Thickness tested | 1.6 | mm | - |
| DTUL @ 264 psi | 127 | °C | ASTM D 648 |
| Vicat Temperature | 138 | °C | ASTM D 1525 |

| Electrical properties | Value | Unit | Test Standard |
|-----------------------------|-------|-------|---------------|
| ISO Data | | | |
| Relative permittivity, 1MHz | 2.9 | - | IEC 62631-2-1 |
| Dissipation factor, 1MHz | 500 | E-4 | IEC 62631-2-1 |
| Volume resistivity | 1E13 | Ohm*m | IEC 62631-3-1 |
| Surface resistivity | 1E15 | Ohm | IEC 62631-3-2 |
| Electric strength | 25 | kV/mm | IEC 60243-1 |

| Other properties | Value | Unit | Test Standard |
|---------------------|-------|-------------------|----------------|
| Humidity absorption | 0.2 | % | Sim. to ISO 62 |
| Density | 1170 | kg/m ³ | ASTM D 792 |

Characteristics**Delivery form**

Natural Color

Regional Availability

Europe

Special Characteristics

Heat stabilized or stable to heat