

**NILAC MT**

ABS

Soredi S.p.a.

| Processing/Physical Characteristics | Value  | Unit    | Test Standard |
|-------------------------------------|--------|---------|---------------|
| <b>ASTM Data</b>                    |        |         |               |
| Melt Flow Index, MFI                | 12     | g/10min | ASTM D 1238   |
| Temperature                         | 220    | °C      | -             |
| Load                                | 10     | kg      | -             |
| Mold Shrinkage, MD                  | 0.0055 | mm/mm   | ASTM D 955    |

| Mechanical properties                | Value | Unit | Test Standard |
|--------------------------------------|-------|------|---------------|
| <b>ASTM Data</b>                     |       |      |               |
| Tensile Strength at Yield            | 44    | MPa  | ASTM D 638    |
| Flexural Modulus                     | 2400  | MPa  | ASTM D 790    |
| Flexural Strength                    | 65    | MPa  | ASTM D 790    |
| Rockwell Hardness                    | R 108 | -    | ASTM D 785    |
| Izod Impact notched, 1/8 in          | 192   | J/m  | ASTM D 256    |
| Izod Impact notched, Low-Temperature | 86.5  | J/m  | ASTM D 256    |
| Temperature                          | -20   | °C   | -             |

| Thermal properties                        | Value | Unit  | Test Standard  |
|---|-------|-------|----------------|
| <b>ISO Data</b>                           |       |       |                |
| Coeff. of linear therm. expansion, normal | 80    | E-6/K | ISO 11359-1/-2 |
| <b>ASTM Data</b>                          |       |       |                |
| UL 94 Flame rating                        | HB    | -     | UL 94          |
| Thickness tested                          | 1.6   | mm    | -              |
| DTUL @ 264 psi                            | 95    | °C    | ASTM D 648     |
| Vicat Temperature                         | 105   | °C    | ASTM D 1525    |

| Electrical properties       | Value | Unit  | Test Standard |
|-----------------------------|-------|-------|---------------|
| <b>ISO Data</b>             |       |       |               |
| Relative permittivity, 1MHz | 2.8   | -     | IEC 62631-2-1 |
| Dissipation factor, 1MHz    | 100   | 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           | 30    | kV/mm | IEC 60243-1   |

| Other properties    | Value | Unit              | Test Standard  |
|---------------------|-------|-------------------|----------------|
| Humidity absorption | 0.3   | %                 | Sim. to ISO 62 |
| Density             | 1050  | kg/m <sup>3</sup> | ASTM D 792     |

**Characteristics****Delivery form**

Natural Color

**Applications**

Automotive

**Special Characteristics**

Heat stabilized or stable to heat

**Regional Availability**

Europe