

## ABISTIR® UG UV NERO X2 - ABS

### Description

ABS, standard impact resistance, UV stabilised

| Physical properties | Value | Unit              | Test Standard |
|---------------------|-------|-------------------|---------------|
| Density             | 1040  | kg/m <sup>3</sup> | ISO 1183      |
| Melt flow rate, MFR | 8     | g/10min           | ISO 1133      |
| MFR temperature     | 220   | °C                | ISO 1133      |
| MFR load            | 10    | kg                | ISO 1133      |

| Mechanical properties                | Value | Unit              | Test Standard |
|--------------------------------------|-------|-------------------|---------------|
| Tensile modulus                      | 2300  | MPa               | ISO 527-2/1A  |
| Tensile stress at yield, 50mm/min    | 43    | MPa               | ISO 527-2/1A  |
| Tensile strain at yield, 50mm/min    | 2.5   | %                 | ISO 527-2/1A  |
| Tensile strain at break, 50mm/min    | 20    | %                 | ISO 527-2/1A  |
| Flexural modulus, 23°C               | 2300  | MPa               | ISO 178       |
| Flexural strength, 23°C              | 70    | MPa               | ISO 178       |
| Charpy notched impact strength, 23°C | 25    | kJ/m <sup>2</sup> | ISO 179/1eA   |
| Izod impact notched, 23°C            | 25    | kJ/m <sup>2</sup> | ISO 180/1A    |

| Thermal properties                      | Value | Unit | Test Standard |
|-----------------------------------------|-------|------|---------------|
| Vicat softening temperature, 50°C/h 50N | 101   | °C   | ISO 306       |

### Typical injection moulding processing conditions

| Pre Drying         | Value     | Unit | Test Standard |
|--------------------|-----------|------|---------------|
| Drying time        | 2 - 4     | h    | -             |
| Drying temperature | 80        | °C   | -             |
| Temperature        | Value     | Unit | Test Standard |
| Zone1 temperature  | 190 - 210 | °C   | -             |
| Zone2 temperature  | 210 - 230 | °C   | -             |
| Zone3 temperature  | 220 - 240 | °C   | -             |
| Nozzle temperature | 230 - 250 | °C   | -             |
| Mold temperature   | 40 - 70   | °C   | -             |

### Other text information

#### Longer pre-drying times/storage

This product should be stored in a covered facility and kept away from moisture and heat.

### Characteristics

| Special Characteristics | Processing        |
|-------------------------|-------------------|
| UV resistant            | Injection molding |