

POLIFOR® C12 T/20 UV NERO X1 - PP

Description

Polypropylene, copolymer, mineral filled, UV stabilised

| Physical properties | Value | Unit | Test Standard |
|---------------------|-------|-------------------|---------------|
| Density | 1070 | kg/m ³ | ISO 1183 |
| Melt flow rate, MFR | 11 | g/10min | ISO 1133 |
| MFR temperature | 230 | °C | ISO 1133 |
| MFR load | 2.16 | kg | ISO 1133 |

| Mechanical properties | Value | Unit | Test Standard |
|--------------------------------------|-------|-------------------|---------------|
| Tensile modulus | 2200 | MPa | ISO 527-2/1A |
| Tensile stress at yield, 50mm/min | 24 | MPa | ISO 527-2/1A |
| Tensile strain at yield, 50mm/min | 4 | % | 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 | 38 | MPa | ISO 178 |
| Charpy impact strength, 23°C | 50 | kJ/m ² | ISO 179/1eU |
| Charpy notched impact strength, 23°C | 3 | kJ/m ² | ISO 179/1eA |
| Izod impact notched, 23°C | 3.4 | kJ/m ² | ISO 180/1A |

| Thermal properties | Value | Unit | Test Standard |
|---|-------|------|---------------|
| Vicat softening temperature, 50°C/h 50N | 82 | °C | ISO 306 |

Typical injection moulding processing conditions

| Pre Drying | Value | Unit | Test Standard |
|--------------------|-----------|------|---------------|
| Drying time | 2 - 3 | h | - |
| Drying temperature | 80 - 100 | °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 | 30 - 60 | °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 |

Product Categories

Mineral reinforced