

POLIFOR® 6000/V0-AF-EP NATURALE - PP

Description

Polypropylene, copolymer, V0, low smoke emission, without halogen and Antimony oxide

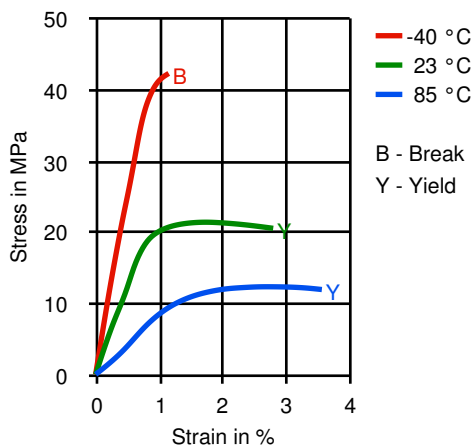
| Physical properties | Value | Unit | Test Standard |
|---------------------|-------|-------------------|---------------|
| Density | 1080 | kg/m ³ | ISO 1183 |
| Melt flow rate, MFR | 15 | g/10min | ISO 1133 |
| MFR temperature | 230 | °C | ISO 1133 |
| MFR load | 2.16 | kg | ISO 1133 |

| Mechanical properties | Value | Unit | Test Standard |
|--------------------------------------|-------|-------------------|---------------|
| Tensile stress at yield, 50mm/min | 20 | MPa | ISO 527-2/1A |
| Flexural modulus, 23°C | 2200 | MPa | ISO 178 |
| Flexural strength, 23°C | 37 | MPa | ISO 178 |
| Charpy impact strength, 23°C | 30 | kJ/m ² | ISO 179/1eU |
| Charpy notched impact strength, 23°C | 1.6 | kJ/m ² | ISO 179/1eA |
| Izod impact notched, 23°C | 2.2 | kJ/m ² | ISO 180/1A |

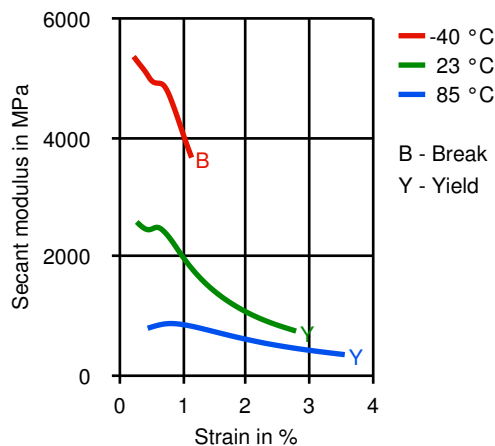
| Thermal properties | Value | Unit | Test Standard |
|---|-------|-------|----------------|
| Vicat softening temperature, 50°C/h 50N | 78 | °C | ISO 306 |
| Limiting oxygen index (LOI) | 28 | % | ISO 4589-1/-2 |
| Flammability @ 1.6mm nom. thickn. | V-0 | class | UL 94 |
| Glow wire ignition temperature, 0.8 mm | 800 | °C | IEC 60695-2-13 |
| Glow wire flammability index, 0.8 mm | 960 | °C | IEC 60695-2-12 |
| Glow wire flammability index, 3.2 mm | 960 | °C | IEC 60695-2-12 |

Diagrams

Stress-strain

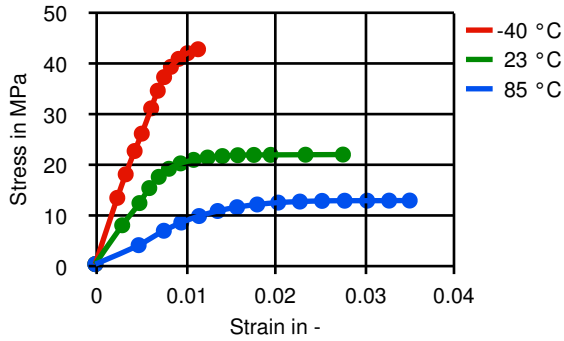


Secant modulus-strain



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True Stress-strain



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 | | 180 - 200 | °C | - |
| Zone2 temperature | | 190 - 210 | °C | - |
| Zone3 temperature | | 200 - 220 | °C | - |
| Melt temperature | | 200 - 220 | °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.