

POLIFOR® PP FR 7B01 NATURALE - PP

Description

Polypropylene, homopolymer, unreinforced, UL94 V2.

| Physical properties | Value | Unit | Test Standard |
|---------------------|-------|-------------------|---------------|
| Density | 940 | 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 | 30 | MPa | ISO 527-2/1A |
| Flexural modulus, 23°C | 1450 | MPa | ISO 178 |
| Flexural strength, 23°C | 40 | MPa | ISO 178 |
| Charpy impact strength, 23°C | >80 | kJ/m ² | ISO 179/1eU |
| Charpy notched impact strength, 23°C | 2.5 | kJ/m ² | ISO 179/1eA |
| Izod impact notched, 23°C | 3 | kJ/m ² | ISO 180/1A |

| Thermal properties | Value | Unit | Test Standard |
|---|-------|-------|----------------|
| Vicat softening temperature, 50°C/h 50N | 90 | °C | ISO 306 |
| Flammability @1.6mm nom. thickn. | V-2 | class | UL 94 |
| Flammability at thickness h | V-2 | class | UL 94 |
| thickness tested (h) | 0.75 | mm | UL 94 |
| UL recognition (h) | UL | - | UL 94 |
| Glow wire flammability index, 3.2 mm | 960 | °C | IEC 60695-2-12 |

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 | 200 - 220 | °C | - |
| Zone3 temperature | 210 - 230 | °C | - |
| Nozzle temperature | 210 - 230 | °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 |
|-------------------------|-----------------------|
| Flame retardant | Injection molding |
| Product Categories | Additives |
| Unfilled | Flame retarding agent |