

# POLIFOR® PP FR 7B01

Polypropylene, homopolymer, unreinforced, UL94 V2.

## Rheological properties

|                                  |            |          |
|----------------------------------|------------|----------|
| Melt mass-flow rate              | 15 g/10min | ISO 1133 |
| Melt mass-flow rate, Temperature | 230 °C     |          |
| Melt mass-flow rate, Load        | 2.16 kg    |          |

## Typical mechanical properties

|                                      |                       |              |
|--------------------------------------|-----------------------|--------------|
| Yield stress, 50mm/min               | 30 MPa                | ISO 527-1/-2 |
| Flexural Modulus                     | 1550 MPa              | ISO 178      |
| Flexural Strength                    | 40 MPa                | ISO 178      |
| Charpy impact strength, 23°C         | >80 kJ/m <sup>2</sup> | ISO 179/1eU  |
| Charpy notched impact strength, 23°C | 2.8 kJ/m <sup>2</sup> | ISO 179/1eA  |
| Izod notched impact strength, 23°C   | 3.3 kJ/m <sup>2</sup> | ISO 180/1A   |

## Flammability

|                                      |           |                |
|--------------------------------------|-----------|----------------|
| Burning Behav. at 1.5mm nom. thickn. | V-2 class | UL 94          |
| Burning Behav. at thickness h        | V-2 class | UL 94          |
| Thickness tested                     | 0.75 mm   | UL 94          |
| UL recognition                       | yes       | UL 94          |
| Glow Wire Flammability Index, 3mm    | 960 °C    | IEC 60695-2-12 |

## Other properties

|         |                       |          |
|---------|-----------------------|----------|
| Density | 940 kg/m <sup>3</sup> | ISO 1183 |
|---------|-----------------------|----------|

## Injection

|                                 |             |
|---------------------------------|-------------|
| Drying Temperature              | 80 - 100 °C |
| Drying Time, Dehumidified Dryer | 2 - 3 h     |
| Max. mould temperature          | 30 - 60 °C  |

## Characteristics

|           |                 |
|-----------|-----------------|
| Additives | Flame retardant |
|-----------|-----------------|

## Processing Texts

|                                 |                                                                                           |
|---------------------------------|-------------------------------------------------------------------------------------------|
| Longer pre-drying times/storage | This product should be stored in a covered facility and kept away from moisture and heat. |
|---------------------------------|-------------------------------------------------------------------------------------------|

