

# POLIFOR® 5220/V0-EP WOD

## POLIFOR®

Polypropylene, copolymer, 20% mineral filled, UL94 V0, PBDE free.

### Product information

|                      |          |           |
|----------------------|----------|-----------|
| Resin Identification | PP-T20   | ISO 1043  |
| Part Marking Code    | >PP-T20< | ISO 11469 |

### Rheological properties

|                                  |            |          |
|----------------------------------|------------|----------|
| Melt mass-flow rate              | 12 g/10min | ISO 1133 |
| Melt mass-flow rate, Temperature | 230 °C     |          |
| Melt mass-flow rate, Load        | 2.16 kg    |          |

### Typical mechanical properties

|                                      |                       |              |
|--------------------------------------|-----------------------|--------------|
| Tensile modulus                      | 3200 MPa              | ISO 527-1/-2 |
| Tensile stress at yield, 50mm/min    | 22 MPa                | ISO 527-1/-2 |
| Flexural modulus                     | 3000 MPa              | ISO 178      |
| Flexural strength                    | 35 MPa                | ISO 178      |
| Charpy impact strength, 23°C         | 35 kJ/m <sup>2</sup>  | ISO 179/1eU  |
| Charpy notched impact strength, 23°C | 2.8 kJ/m <sup>2</sup> | ISO 179/1eA  |
| Poisson's ratio                      | 0.37 <sup>[C]</sup>   |              |

[C]: Calculated

### Thermal properties

|   |       |         |
|---|-------|---------|
| Vicat softening temperature, 50°C/h 50N | 72 °C | ISO 306 |
| RTI, electrical, 1.5mm                  | 90 °C | UL 746B |
| RTI, impact, 1.5mm                      | 90 °C | UL 746B |
| RTI, strength, 1.5mm                    | 90 °C | UL 746B |

### Flammability

|                                       |           |                      |
|---------------------------------------|-----------|----------------------|
| Burning Behav. at 1.5mm nom. thickn.  | V-0 class | IEC 60695-11-10      |
| Thickness tested                      | 1.5 mm    | IEC 60695-11-10      |
| UL recognition                        | yes       | UL 94                |
| Glow Wire Flammability Index, 3.0mm   | 960 °C    | IEC 60695-2-12       |
| Glow Wire Ignition Temperature, 3.0mm | 725 °C    | IEC 60695-2-13       |
| FMVSS Class                           | SE        | ISO 3795 (FMVSS 302) |

### Physical/Other properties

|         |                        |          |
|---------|------------------------|----------|
| Density | 1350 kg/m <sup>3</sup> | ISO 1183 |
|---------|------------------------|----------|

### Characteristics

|                         |                                 |
|-------------------------|---------------------------------|
| Processing              | Injection Moulding              |
| Additives               | Flame retardant, Mineral Filler |
| Special characteristics | Flame retardant                 |

### Additional information

Processing Notes

### Storage

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