

POLIFOR® 20 TRMU2505 H-R

POLIFOR®

Polypropylene, homopolymer, 25% talc + 5% mica filled, heat and copper contact stabilised.

Product information

| | | |
|----------------------|--------------|-----------|
| Resin Identification | PP-(T+P)30 | ISO 1043 |
| Part Marking Code | >PP-(T+P)30< | ISO 11469 |

Rheological properties

| | | |
|----------------------------------|------------|----------|
| Melt mass-flow rate | 18 g/10min | ISO 1133 |
| Melt mass-flow rate, Temperature | 230 °C | |
| Melt mass-flow rate, Load | 2.16 kg | |

Typical mechanical properties

| | | |
|--------------------------------------|----------------------|--------------|
| Tensile modulus | 4000 MPa | ISO 527-1/-2 |
| Tensile stress at yield, 50mm/min | 32 MPa | ISO 527-1/-2 |
| Tensile strain at yield, 50mm/min | 4 % | ISO 527-1/-2 |
| Tensile strain at break, 50mm/min | 10 % | ISO 527-1/-2 |
| Flexural modulus | 3900 MPa | ISO 178 |
| Charpy impact strength, 23°C | 30 kJ/m ² | ISO 179/1eU |
| Charpy notched impact strength, 23°C | 2 kJ/m ² | ISO 179/1eA |
| Izod notched impact strength, 23°C | 3 kJ/m ² | ISO 180/1A |
| Poisson's ratio | 0.36 ^[C] | |

[C]: Calculated

Thermal properties

| | | |
|---|--------|-------------|
| Temperature of deflection under load, 1.8 MPa | 70 °C | ISO 75-1/-2 |
| Vicat softening temperature, 50°C/h 50N | 102 °C | ISO 306 |

Flammability

| | | |
|--------------------------------------|--------------------------|----------------------|
| Burning Behav. at 1.5mm nom. thickn. | HB class | IEC 60695-11-10 |
| Burning Behav. at thickness h | HB class | IEC 60695-11-10 |
| Thickness tested | 3.2 mm | IEC 60695-11-10 |
| FMVSS Class | B | ISO 3795 (FMVSS 302) |
| Burning rate, Thickness 2 mm | 20 ^[1] mm/min | ISO 3795 (FMVSS 302) |

[1]: Thickness = 1.7mm

Physical/Other properties

| | | |
|---------|------------------------|----------|
| Density | 1130 kg/m ³ | ISO 1183 |
|---------|------------------------|----------|

Characteristics

| | |
|-------------------------|-----------------------------------|
| Processing | Injection Moulding |
| Additives | Metal deactivator, Mineral Filler |
| Special characteristics | Heat stabilised or stable to heat |

Additional information

Processing Notes

Storage

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