

# POLIFOR® 15 T/20 H-R

## POLIFOR®

Polypropylene, homopolymer, 20% mineral filled, heat and copper contact stabilized

### 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	
Moulding shrinkage range, parallel	1.3 - 1.6 %	ISO 294-4, 2577
Moulding shrinkage range, normal	1 - 1.3 %	ISO 294-4, 2577

### Typical mechanical properties

Tensile stress at yield, 50mm/min	30 MPa	ISO 527-1/-2
Tensile strain at break, 50mm/min	20 %	ISO 527-1/-2
Flexural modulus	2500 MPa	ISO 178
Charpy impact strength, 23°C	35 kJ/m <sup>2</sup>	ISO 179/1eU
Charpy notched impact strength, 23°C	2.3 kJ/m <sup>2</sup>	ISO 179/1eA
Izod notched impact strength, 23°C	3 kJ/m <sup>2</sup>	ISO 180/1A

### Thermal properties

Temperature of deflection under load, 1.8 MPa	62 °C	ISO 75-1/-2
Temperature of deflection under load, 0.45 MPa	108 °C	ISO 75-1/-2
Vicat softening temperature, 50°C/h 50N	93 °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 1 mm	51.8 mm/min	ISO 3795 (FMVSS 302)

### Physical/Other properties

Density	1070 kg/m <sup>3</sup>	ISO 1183
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### 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.