Celanese
The chemistry inside innovation™

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/m²	ISO 179/1eU
Charpy notched impact strength, 23°C	2.3	kJ/m²	ISO 179/1eA
Izod notched impact strength, 23°C	3	kJ/m²	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/m³	ISO 1183

Characteristics

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

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Additional information

Processing Notes

Storage

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

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