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	11.5	g/10min	ISO 1133
Melt mass-flow rate, Temperature	446	°F	
Melt mass-flow rate, Load	4.76	lb	
Molding shrinkage range, parallel	1.3 - 1.6	%	ISO 294-4, 2577
Molding shrinkage range, normal	1 - 1.3	%	ISO 294-4, 2577

Typical mechanical properties

Tensile stress at yield, 50mm/min	4400	psi	ISO 527-1/-2
Tensile strain at break, 50mm/min	20	%	ISO 527-1/-2
Flexural modulus	363000	psi	ISO 178
Charpy impact strength, 23°C	16.6	ftlb/in²	ISO 179/1eU
Charpy notched impact strength, 23°C	1.09	ftlb/in²	ISO 179/1eA
Izod notched impact strength, 23°C	1.43	ftlb/in²	ISO 180/1A

Thermal properties

Temperature of deflection under load, 1.8 MPa	144	°F	ISO 75-1/-2
Temperature of deflection under load, 0.45 MPa	226	°F	ISO 75-1/-2
Vicat softening temperature, 50°C/h 50N	199	°F	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	0.1260	in	IEC 60695-11-10
FMVSS Class	B		ISO 3795 (FMVSS 302)
Burning rate, Thickness 1 mm	2.05	in/min	ISO 3795 (FMVSS 302)

Physical/Other properties

Density	0.0386	lb/in³	ISO 1183

Characteristics

Processing	Injection Molding
Additives	Metal deactivator
Special characteristics	Heat stabilized 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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