

POLIFOR® C10 TR/10 H3 - PP

Description

Polypropylene copolymer, 10% mineral filled, heat stabilized

Physical properties	Value	Unit	Test Standard
Density	60.6	lb/ft ³	ISO 1183
Melt flow rate, MFR	12	g/10min	ISO 1133
MFR temperature	446	°F	ISO 1133
MFR load	4.76	lb	ISO 1133

Mechanical properties	Value	Unit	Test Standard
Tensile stress at yield, 50mm/min	4060	psi	ISO 527-1, -2
Tensile strain at break, 50mm/min	>20	%	ISO 527-1, -2
Flexural modulus, 23°C	348000	psi	ISO 178
Charpy impact strength, 23°C	>80	ft-lb/in ²	ISO 179/1eU
Charpy notched impact strength, 23°C	1.9	ft-lb/in ²	ISO 179/1eA

Thermal properties	Value	Unit	Test Standard
DTUL at 0.45 MPa	234	°F	ISO 75-1, -2
Vicat softening temperature, 50°C/h 50N	172	°F	ISO 306
Flammability @1.6mm nom. thickn.	HB	class	UL 94
Flammability @3.2mm nom. thickn.	HB	class	UL 94

Typical injection moulding processing conditions

Pre Drying	Value	Unit
Drying time	2 - 3	h
Drying temperature	176 - 212	°F

Temperature	Value	Unit
Zone1 temperature	356 - 392	°F
Zone2 temperature	374 - 410	°F
Zone3 temperature	392 - 428	°F
Zone4 temperature	410 - 446	°F
Melt temperature	410 - 446	°F
Mold temperature	86 - 140	°F

Other text information

Longer pre-drying times/storage

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

Characteristics

Special Characteristics	Heat resistant
Product Categories	Mineral reinforced
Processing	Injection molding