

POLIFOR® C10 T/10 UV - PP

Description

Polypropylene copolymer, 10% mineral filled, UV stabilised

Physical properties	Value	Unit	Test Standard
Density	60.6	lb/ft ³	ISO 1183
Melt flow rate, MFR	8	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	3630	psi	ISO 527-1, -2
Flexural modulus, 23°C	218000	psi	ISO 178
Charpy impact strength, 23°C	>80	ft-lb/in ²	ISO 179/1eU
Charpy notched impact strength, 23°C	2.62	ft-lb/in ²	ISO 179/1eA

Thermal properties	Value	Unit	Test Standard
Vicat softening temperature, 50°C/h 50N	149	°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	UV resistant
Product Categories	Mineral reinforced
Processing	Injection molding

