

TECNOPRENE® HF GF/10 V0 NERO900 - PP

Description

Polypropylene, homopolymer, 10% glass fiber reinforced, chemically coupled, V0, halogen free, laser markable

Physical properties	Value	Unit	Test Standard
Density	72.4	lb/ft ³	ISO 1183
Melt flow rate, MFR	5	g/10min	ISO 1133
MFR temperature	446	°F	ISO 1133
MFR load	4.76	lb	ISO 1133
Molding shrinkage, parallel	0.7 - 1.0	%	ISO 294-4, 2577
Molding shrinkage, normal	0.8 - 1.1	%	ISO 294-4, 2577

Mechanical properties	Value	Unit	Test Standard
Tensile modulus	594656	psi	ISO 527-2/1A
Tensile stress at break, 5mm/min	6530	psi	ISO 527-2/1A
Tensile strain at break, 5mm/min	4	%	ISO 527-2/1A
Flexural modulus, 23°C	508000	psi	ISO 178
Flexural strength, 23°C	10900	psi	ISO 178
Charpy notched impact strength, 23°C	2.14	ft-lb/in ²	ISO 179/1eA

Thermal properties	Value	Unit	Test Standard
DTUL at 1.8 MPa	252	°F	ISO 75-1, -2
Flammability at thickness h	V-0	class	UL 94
thickness tested (h)	0.0630	in	UL 94
UL recognition (h)	UL	-	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
Nozzle temperature	401 - 437	°F
Mold temperature	122 - 176	°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

Flame retardant, Laser markable

Product Categories

Glass reinforced

Processing

Injection molding

Additives

Flame retarding agent