

POLIFOR® 20 TR/10 H NERO TU3 - PP

Experimental Grade. Please contact your Celanese representative for further information.

Description

Polypropylene, homopolymer, 10% mineral filled, heat stabilised.

Physical properties	Value	Unit	Test Standard
Density	970	kg/m ³	ISO 1183
Melt flow rate, MFR	22	g/10min	ISO 1133
MFR temperature	230	°C	ISO 1133
MFR load	2.16	kg	ISO 1133

Mechanical properties	Value	Unit	Test Standard
Tensile modulus	2500	MPa	ISO 527-2/1A
Tensile stress at yield, 50mm/min	34	MPa	ISO 527-2/1A
Tensile strain at break, 50mm/min	10	%	ISO 527-2/1A
Flexural modulus, 23°C	2400	MPa	ISO 178
Flexural strength, 23°C	54	MPa	ISO 178
Charpy impact strength, 23°C	50	kJ/m ²	ISO 179/1eU
Charpy notched impact strength, 23°C	2.6	kJ/m ²	ISO 179/1eA
Izod impact notched, 23°C	3	kJ/m ²	ISO 180/1A

Thermal properties	Value	Unit	Test Standard
DTUL at 1.8 MPa	68	°C	ISO 75-1, -2
Vicat softening temperature, 50°C/h 50N	104	°C	ISO 306
Flammability @1.6mm nom. thickn.	HB	class	UL 94

Typical injection moulding processing conditions

Pre Drying	Value	Unit	Test Standard
Drying time	2 - 3	h	-
Drying temperature	80 - 100	°C	-
Temperature	Value	Unit	Test Standard
Zone1 temperature	190 - 210	°C	-
Zone2 temperature	210 - 230	°C	-
Zone3 temperature	220 - 240	°C	-
Melt temperature	230 - 250	°C	-
Mold temperature	30 - 60	°C	-

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

Product Categories	Processing
Mineral reinforced	Injection molding