

POLIFOR® E35 TR/20 H NERO TU3 - PP

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

Description

Polypropylene copolymer, elastomer modified, 20% talc filled, heat stabilised.

Physical properties	Value	Unit	Test Standard
Density	1050	kg/m ³	ISO 1183
Melt flow rate, MFR	26	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	2100	MPa	ISO 527-2/1A
Tensile stress at yield, 50mm/min	19	MPa	ISO 527-2/1A
Tensile strain at break, 50mm/min	>50	%	ISO 527-2/1A
Flexural modulus, 23°C	1900	MPa	ISO 178
Charpy notched impact strength, 23°C	26	kJ/m ²	ISO 179/1eA
Charpy notched impact strength, -30°C	4.5	kJ/m ²	ISO 179/1eA
Izod impact notched, 23°C	30	kJ/m ²	ISO 180/1A

Thermal properties	Value	Unit	Test Standard
DTUL at 1.8 MPa	57	°C	ISO 75-1, -2
DTUL at 0.45 MPa	144	°C	ISO 75-1, -2
Vicat softening temperature, 50°C/h 50N	52	°C	ISO 306

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	-
Zone4 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

Special Characteristics

High flow

Processing

Injection molding

Product Categories

Impact modified, Mineral reinforced