Celanese
The chemistry inside innovation™

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/m³	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/m²	ISO 179/1eA
Charpy notched impact strength, -30°C	**4.5**	kJ/m²	ISO 179/1eA
Izod impact notched, 23°C	**30**	kJ/m²	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	Processing
High flow	Injection molding

Product Categories

Impact modified, Mineral reinforced