

POLIFOR® 12 TE/40 - PP

Description

Polypropylene, homopolymer, 40% mineral filled.

Physical properties	Value	Unit	Test Standard
Density	1250	kg/m ³	ISO 1183
Melt flow rate, MFR	9	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	3500	MPa	ISO 527-2/1A
Tensile stress at yield, 50mm/min	26	MPa	ISO 527-2/1A
Flexural modulus, 23°C	3400	MPa	ISO 178
Flexural strength, 23°C	48	MPa	ISO 178
Charpy impact strength, 23°C	25	kJ/m ²	ISO 179/1eU
Charpy notched impact strength, 23°C	1.7	kJ/m ²	ISO 179/1eA
Izod impact notched, 23°C	2.3	kJ/m ²	ISO 180/1A

Thermal properties	Value	Unit	Test Standard
Vicat softening temperature, 50°C/h 50N	96	°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	-
Nozzle 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