
POLIFOR® E10 CA/37 GRIGIO 7680 - PP

Description

Polypropylene copolymer elastomer modified, 37% mineral filled.

Physical properties	Value	Unit	Test Standard
Density	1180	kg/m ³	ISO 1183
Melt flow rate, MFR	6	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	1400	MPa	ISO 527-2/1A
Tensile stress at yield, 50mm/min	17	MPa	ISO 527-2/1A
Flexural modulus, 23°C	1300	MPa	ISO 178
Charpy impact strength, 23°C	>100	kJ/m ²	ISO 179/1eU
Charpy notched impact strength, 23°C	18	kJ/m ²	ISO 179/1eA

Thermal properties	Value	Unit	Test Standard
DTUL at 1.8 MPa	45	°C	ISO 75-1, -2
DTUL at 0.45 MPa	75	°C	ISO 75-1, -2
Vicat softening temperature, 50°C/h 10N	132	°C	ISO 306
Vicat softening temperature, 50°C/h 50N	56	°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

Impact modified, Mineral reinforced

Processing

Injection molding