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**POLIFOR® E1 TR/20 UV NERO EL1 - PP**


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**Description**


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Polypropylene copolymer, elastomer modified, 20% talc filled, UV stabilised, low flow.

Physical properties	Value	Unit	Test Standard
Density	1050	kg/m <sup>3</sup>	ISO 1183
Melt flow rate, MFR	1.2	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	1600	MPa	ISO 527-2/1A
Tensile stress at yield, 50mm/min	22	MPa	ISO 527-2/1A
Tensile strain at break, 50mm/min	>300	%	ISO 527-2/1A
Flexural modulus, 23°C	1500	MPa	ISO 178
Charpy impact strength, 23°C	>100	kJ/m <sup>2</sup>	ISO 179/1eU
Charpy notched impact strength, 23°C	45	kJ/m <sup>2</sup>	ISO 179/1eA

Thermal properties	Value	Unit	Test Standard
Vicat softening temperature, 50°C/h 50N	60	°C	ISO 306
Flammability @1.6mm nom. thickn.	HB	class	UL 94

**Typical injection moulding processing conditions**


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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**


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**Longer pre-drying times/storage**


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This product should be stored in a covered facility and kept away from moisture and heat.

**Characteristics**


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**Special Characteristics**

High viscosity, UV resistant

**Processing**

Injection molding

**Product Categories**


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Impact modified, Mineral reinforced