



POLIFOR C 20 TR/30 UV NATURALE AB120104S

Polypropylene Compound (PP)

Description	Polypropylene copolymer, 30% mineral filled. UV stabilized.
Color	Natural
Norm compliance	Compliant with Regulation (EC) No 1907/2006 (REACH)
Processing technology	Injection moulding

Physical properties	Typical value (SI)	Typical value (EN)	Test method
Density	1.14 g/cm ³	1.14 g/cm ³	ASTM D792
Mold Shrinkage	1.0 %	1.0 %	INTERNAL
Melt Flow Index 230°C/2,16kg	15 g/10min	15 g/10min	ASTM D1238

Mechanical properties	Typical value (SI)	Typical value (EN)	Test method
Tensile strength at yield	25 MPa	3625 psi	ASTM D638
Tensile elongation at break	10 %	10 %	ASTM D638
Flexural Modulus	1900 MPa	275500 psi	ASTM D790
IZOD impact strength, notched (23 °C)	45 J/m	0.842 ft·lb/inch	ASTM D256
Charpy impact strength, notched (23 °C)	4.0 kJ/m ²	1.902 ft·lb/inch ²	ISO 179 - 1eA
Charpy impact strength, unnotched (23 °C)	62 kJ/m ²	29.481 ft·lb/inch ²	ISO 179 - 1eU

Thermal properties	Typical value (SI)	Typical value (EN)	Test method
Vicat A (50°C/h at 50 N)	78 °C	172.4 F°	ASTM D1525
HDT Heat Deflection Temperature A (1,82 MPa)	64 °C	147.2 F°	ASTM D648

Flammability	Typical value (SI)	Typical value (EN)	Test method
Flame Rating (1,6 mm)	HB Class	HB Class	UL94
Flame Rating (3,2 mm)	HB Class	HB Class	UL94

Processing conditions	Typical value (SI)	Typical value (EN)
Drying	2h/80 °C	2h/176 °F

Injection moulding	Typical value (SI)	Typical value (EN)
Recommended processing temperatures:		
1st Zone	190 °C	374 °F
2nd Zone	210 °C	410 °F
3rd Zone	230 °C	446 °F
Mould	50-70 °C	122-158 °F



Storage

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

Disclaimer

The figures reported in this Technical Data Sheet are based on tests and analyses carried out in SO.F.TER. laboratories on injection-moulded specimens. These figures indicate the typical material properties and are not to be considered a specification. The user shall always carry out his own tests and analyses in order to verify the suitability of the material for the specific application. Test carried out at 23°C unless otherwise stated.

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