



## NORFOR 130 GF/20 NATURALE 0507 AR130000S

### Polyphenylene Oxide Compound (PPE)

<b>Description</b>	Polyphenylene oxide resin, 20% glass fiber reinforced grade, good dimensional stability and thermal resistance
<b>Color</b>	Natural
<b>Norm compliance</b>	Compliant with Regulation (EC) No 1907/2006 (REACH)
<b>Processing technology</b>	Injection moulding

Physical properties	Typical value (SI)	Typical value (EN)	Test method
Density	1.20 g/cm <sup>3</sup>	1.20 g/cm <sup>3</sup>	ASTM D792
Mold Shrinkage	0.35 %	0.35 %	INTERNAL
Melt Flow Index 280°C/5kg	5 g/10min	5 g/10min	ASTM D1238
Mechanical properties	Typical value (SI)	Typical value (EN)	Test method
Tensile strength at yield	80 MPa	11600 psi	ASTM D638
Tensile elongation at break	2.5 %	2.5 %	ASTM D638
Flexural Modulus	4700 MPa	681500 psi	ASTM D790
IZOD impact strength, notched (23 °C)	120 J/m	2.244 ft-lb/inch	ASTM D256
Thermal properties	Typical value (SI)	Typical value (EN)	Test method
Vicat B (50°C/h at 50 N)	134 °C	273.2 F°	ASTM D1525
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	270 °C	518 °F	
2nd Zone	280 °C	536 °F	
3rd Zone	280 °C	536 °F	
Mould	100-120 °C	212-248 °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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