

## TECATHERM PP GF

### 1. Name and Compound

TECATHERM PP GF  
 Polypropylene with glass reinforcement, black  
 Designation: ISO 1873-PP-H, ECL „GF,,  
 Density: 1,14±0,03 g/cm<sup>3</sup>

### 2. Mechanical Properties

mean values at 23°C			injection moulded samples *
Tensile strength	ISO 527	MPa	≥ 57
Modulus of elasticity in tension	ISO 527	MPa	≥ 4000
Tensile strain at break	ISO 527	%	≥ 3
Impact strength	ISO 179	kJ/m <sup>2</sup>	≥ 18

\* For profiles, it is not possible to give values valid for all sizes, because the properties are also dependent on the geometry of the profiles (thickness, height, etc.) and on the orientation of the glass fibres!

### 3. Thermal Properties

Thermal conductivity	DIN 52612	~ 0,25 W/m·K
Coefficient of linear thermal expansion (in longitudinal direction)		2,5 – 3,8 * 10 <sup>-5</sup> /K
Melting point	ISO 3146	> 160° C
Maximum service temperature	at 5 000 h at 20 000 h	~ 105° C ~ 95° C
Temperature of deflection under load (1,8 MPa)	DIN EN ISO 75	≥ 118° C

These details are based on our current knowledge. Therefore it is not intended to assure legally binding or to guarantee the nature of the products, the trade capability of the products and the suitability for a certain use. We reserve the right of technical alterations.