

insulbar® REG produced out of **TECATHERM 66 GF** or
insulbar® RE produced out of **TECATHERM 66 GF RE**

Designation and compound

TECATHERM 66 GF is polyamide 66 reinforced with 25% glass fibers, black.

TECATHERM 66 GF RE is polyamide 66, 100% recycled, reinforced with 25% glass fibers, black.

Properties	Standard *	Unit	Criteria (Samples taken from the extruded profile)	
			dry as extruded (H ₂ O ≤ 0.1%)	at humidity equilibrium (H ₂ O at 1.9 ± 0.2%)
Tensile strength	ISO 527	MPa	≥ 75 **	≥ 50 **
Tensile strain at break	ISO 527	%	≥ 2 **	≥ 5 **
Modulus of elasticity in tension	ISO 527	MPa	≥ 3700 **	≥ 2000 **
Density	ISO 1183-1	g/cm ³	1.3 ± 0.05	1.3 ± 0.05
Glass fibre content (percent by weight)	ISO 1172	%	25 ± 2.5	25 ± 2.5
Melting temperature	ISO 11357	°C	≥ 250	≥ 250
Humidity absorption at 23°C 50%HR	ISO 62	%	1.9 ± 0.2	
Maximum humidity absorption	ISO 62	%	5.8 ± 0.5	

* Following similar to these standards

** Mean values of minimum 5 samples at room temperature (tension longitudinally)

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.