

Material Data Sheet:

(for standard materials used in Filament Winding Technology)

Application:	Filament Winding
Type of fibers:	Owens Corning E Glass P185 ¹
Type of resin:	Epoxy: Sika CR141 / CH141 / CA141 ²
Composite Density:	2,1 g/cm ³
Fiber content:	58 - 62 %
Composite temperature resistance:	Max. 140 °C
Possible fiber orientation:	from ±15 ° up to ±88 °
Tensile E-Modulus of glass fiber (P185):	78-80 GPa
Tensile Strenght of glass fiber (P185):	2000-2500 MPa
Tensile E-Modulus of epoxy resin (CR141):	3,2 GPa
Tensile Strenght of epoxy resin (CR141):	78 MPa

^{1, 2} All other fibers and resin systems possible on request.