

Product information

Technical data of S-Ply CRP (Carbon-Reinforced-Plastics) leaf springs

matrix: modified epoxy resin
 reinforcement: non-woven Carbon fibres
 service temperature range: -60°C - +75°C

Properties at RT	Spring-configuration (see drawing)
modulus of elasticity [N/mm ²]	100.000
BARCOL-hardness	70
flexural fatigue [N/mm ²]	315
friction coefficient S-Ply / steel	0,17μ
friction coefficient S-Ply / aluminium	0,18μ
poisson ratiol	0,074

sample-thickness: 3 mm
 prepreg-thickness: 0,25 mm

Drawing:

