

Product information

Technical data of S-Ply blue (Glassfibre-Reinforced-Plastics) leaf springs

matrix: modified epoxy resin (food safe – regulation (EC) No 1935/2004)
 reinforcement: non-woven glass fibres
 service temperature range: -60°C - +75°C

Properties at RT	Spring-configuration (see drawing)
modulus of elasticity [N/mm ²]	28.000
BARCOL-hardness	68
flexural fatigue [N/mm ²]	138
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:

