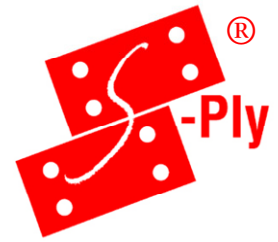


# Product Information



## Technical data of Leaf Springs

Matrix: modified Epoxy Resin  
 Reinforcement: non-woven Fibreglass  
 Service Temperature Range: -60 °C - +75 °C

Properties at RT	spring configuration (see drawing)	unidirectional (100% longitudinally oriented)	crossply (50% longitudinally- and 50% cross oriented)
flexure strength [N/mm <sup>2</sup> ]	932	1151	760
tensile strength [N/mm <sup>2</sup> ]	800	960	480
compression strength [N/mm <sup>2</sup> ]	724	880	690
modulus of elasticity [N/mm <sup>2</sup> ]	28000	38000	24000
BARCOL-hardness	70	70	70
flexural fatigue [N/mm <sup>2</sup> ]	138	158	120
friction coefficient S-Ply / Steel	0,17 <sub>μ</sub>	0,17 <sub>μ</sub>	0,17 <sub>μ</sub>
friction coefficient S-Ply / Aluminium	0,18 <sub>μ</sub>	0,18 <sub>μ</sub>	0,18 <sub>μ</sub>
poisson ratio	0,074	-	-

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

Drawing:

### spring - configuration

