

Creeping and long-term behaviour

Static loads produce a certain degree of creeping. This phenomenon can be observed in all elastomers. Creeping is the increase in deformation under consistent loading Figs. 1 and 3 show the creeping for the two types of Sylomer® used for our ceiling mounts.

Within the field recommended for the application of continuous loads, the additional deflection remains under 50% of the initial deflection even after an extended period of 10 years.

The dynamic stiffness of the ceiling mounts must increase as little as possible over time. Figs. 2 and 4 show the variation of the dynamic module over time of the two types of Sylomer used in our ceiling mounts.

Sylomer® Low Loads

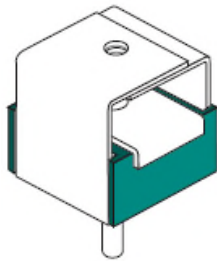


Fig.1

"Creeping" Behaviour

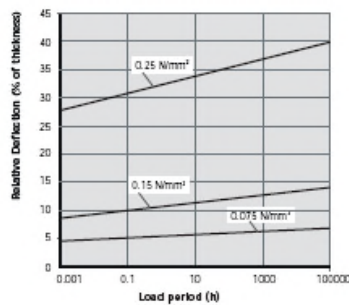
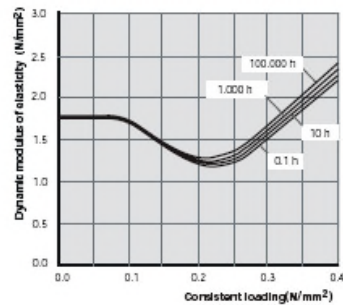


Fig.2

Dynamic modulus of elasticity at long term loading



Sylomer® High Loads

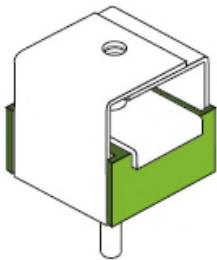


Fig.3

"Creeping" Behaviour

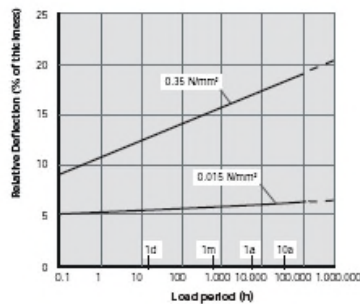


Fig.4

Dynamic modulus of elasticity at long term loading

