

EverGUM (NK - SBR) – Technical Data Sheet

composition

NK	natural rubber
SBR	Styrol-Butadien-rubber

mechanical parameters

Yield stress:	Ca. 6,7 Mpa
Tensile strain at yield:	300 %
harshness:	94° Shore

electrical parameters

comparative tracking index	CTI 250
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other parameters

glow wire	960 °C / 3,2 mm
contamination	free of halogen, silicon

EverGUM (NK - SBR) - chemical resistance

The classification of rubber materials regarding the chemical stability is very difficult due to the amorphous structure. Our rubber mixture contains a large portion of natural rubber therefore we only can refer to the shifts of the stability in relation to the standard mixtures without appropriate additives. The fitness of the material for respective case of application always depends on:

- the duration of the contact with chemicals
- the temperature
- the mechanical stress
- the concentration of the chemicals

Due to these measured variables in each case a tendentious indication can be given regarding the stability. The suitability assigned material must be determined in the firm application.

The material **EverGUM** (NK - SBR) exhibits a good to very good stability in the laboratory tests using the following materials:

- weak acids
- weak caustic solutions
- oils with short term contact
- chemicals with short term contact

Details of realizations are not present because of the dispersion by the natural rubber portion and the strong dependence of the UV irradiation