

PROLEN® TECH

PROLEN® Sunprotect

Life on Earth is unimaginable without the Sun.

However, UV radiation is dangerous because it causes damage to the skin tissue. Even fabrics can be simple and effective protection against UV radiation. UV permeability fabric layer is determined by the fiber throughput. Therefore we put additives in **PROLEN®YARN** which are able to transform the absorbed light energy to another energy for the species, which, for it is not harmful. UV radiation results in an immediate reduction in the molecular weight and increased concentration of free radicals in solution, which initiate new oxidation process. In order to improve light stability **PROLEN®YARN** has to be stabilized. **PROLEN®SUNPROTECT** is stabilized by substances that protect it from the effects of light radiation (UV absorbers) and from oxidation.



PROLEN® Invisible

PROLEN® INVISIBLE is a yarn with a special remission curve in the IR spectrum. It can protect from being detected by optoelectronic devices, i.e. thermal/IR imagers by reducing IR/thermal signature.

A person wearing **PROLEN®INVISIBLE** merges with the background, which deteriorates the identification by specific instruments. It is suitable for soldiers, policemen, snipers, hunters and nature photographers. Project under development.



INFO@PROLENYARN.COM
WWW.PROLENYARN.COM

INFO@FIBROCHEM.SK
WWW.FIBROCHEM.SK

PROLEN® YARN

**CHEMOSVIT
FIBROCHEM**

