



Competence Centre Rods

Since January 2007, we have extended our production programme at our location in Lahnstein in the field of rods by PE-HD, PP and PVC. Thus, for the first time, we are offering rods from a chemical-resistant product group, which finds its application mainly in tank- and plant engineering.



Application fields for rods made of PE-HD, PP, PVC:

Machine- and plant engineering, electrical engineering, medical engineering, food technology, textile processing, building industry, automotive industry, packaging technology, chemical apparatus engineering

Polystone® G

- very low moisture absorption
- good sliding properties
- high impact strength and elongation at break
- good weldability
- service temperature, long term: from -50° up to +80° C
- low sensitivity to stress cracking

Field of application

Components that call for a high degree of tensile strength or chemical resistance.

For example: plugs, fittings, pump construction parts, connectors, housings, textile bobbins, etc.

Polystone® P

- compared to Polystone® G: higher tensile strength, tensile modulus of elasticity and hardness as well as lower notched impact strength and higher heat deflection temperature
- good weldability
- service temperature, long term: from 0° up to 100° C

Field of application

Components that call for a high degree of chemical resistance.

For example: housings, fittings, pump components, valve parts, etc.

Trovidur® PVC-U

- flame resistant
- high tensile strength and stiffness
- good machinability
- excellent adhesive properties
- good weldability
- excellent printability
- good electrical insulating properties

Field of application

Components that call for a high degree of chemical resistance or high flame retardance.

For example: housings, pipelines, switch cabinets, cable ducts.



Bundled competence

The inclusion of these qualities in our product range offers you the possibility to receive rods of various material types one-stop.

The relocation of the production plant for rods from Röchling Engineering Plastics to Röchling Sustaplast has been performed according to the motto "Bundled competence". This also represents an important mile stone in creating competence centres within the Röchling Group.

The short-term availability of standard products, as well as the high flexibility for specific requirements in terms of modification, colour and dimension distinguish us also in manufacturing these new products.

Material	Ø mm	Length mm	Color
Polystone® G natural	8 - 300 mm	2.000 / 1.000	●
Polystone® G black	8 - 300 mm	2.000 / 1.000	●
Polystone® PP-H	8 - 300 mm	2.000 / 1.000	● ●
Polystone® PP-C	8 - 300 mm	2.000 / 1.000	● ●
Trovidur® PVC-U	6 - 300 mm	2.000 / 1.000	●

You will find exact dimensions and tolerances as well as technical information for these material types in our new delivery programme catalogue for semi-finished products made of thermoplastics, as well as in the data sheets.

Your contact

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