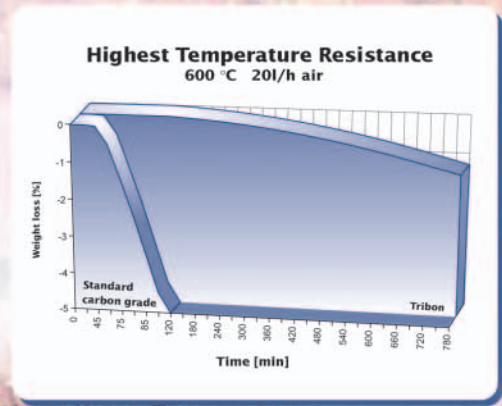


**Universal
chemical
resistance**

Caustic

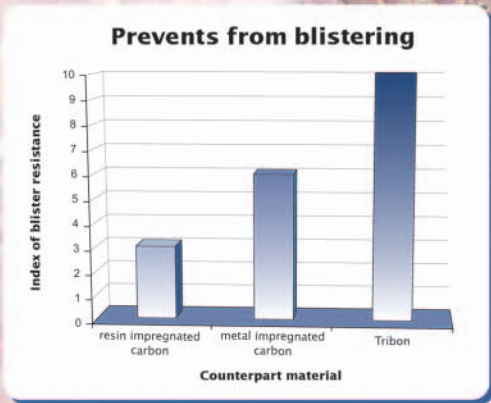


Caustic



Super fine-grained
Tribon
The unique
— Schunk —
material family

—|—
100µm



Tribon®

The New Dimension of Carbon Graphite Materials



Schunk Kohlenstofftechnik



Tribon® is the trademark for a new family of material created by Schunk, which can withstand even the most difficult applications.

In many tribological applications standard carbon graphite materials are often stretched to their limits. The demands are many & diverse and go well beyond today's limits of tribological demands in semi-dry or even dry conditions. Excellent physical properties combined with a universally chemical & high temperature resistance are required. Furthermore, the material should be dense and free of metal – a real one-for-all.

Tribon® has excellent tribological properties, the highest strength and Young's moduli as well as the best possible thermal conductivity. This is the basis for a successful use in applications such as seal rings, bearings, vanes, pistons and other components under the highest tribological loads and critical conditions.

Tribon® is free of metal and is thus characterised as highly chemical and temperature resistant.

Tribon® stands for up-to-date carbon graphite technology, designed for use in tribological applications.

Tribon® stands for ecology and economy, for a metal free group of material and for universal use in practically every application.

The family consists of variations of materials, with properties designed directly for the specific application.

Please do not hesitate to contact us to get our advice for your specific application.

For further information please refer to our website

www.schunk-group.com
www.schunk-tribo.com

The Highlights of the Tribon Family

Properties \ Type	FT30HT	FT35HT	FT10HT	FT15HT	FT17	FT23	FT33	FT37	FT20	FT21	FT40
Chemical resistance			Yellow						Yellow	Red	Yellow
Critical friction conditions									Yellow	Red	Yellow
Young's modulus							Yellow	Red	Yellow	Yellow	
Impermeability					Red	Red	Red	Red	Red	Red	
Thermal conductivity			Yellow	Red	Red						
Oxidation resistance	Yellow	Yellow	Yellow	Red	Red						

30.16e/300/2006

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