Watts Urethane Products

Kaercher Squeegee Blades

Introducing our **Unique Natural Polyurethane Blend** available in **35shore A**

- Kaercher squeegee blades are produced from our custom mould tools in our dedicated clean room to ensure contamination free, high quality products.
- The clear Polyurethane provides a quality clean finish.
- Watts in-house tooling facility and dynamic production process, provides the ability to rapidly respond to market demands.

Other blade designs can be provided to suit your cleaning machine, contact the office to discuss your requirements further.

Current Kaercher squeegee blade range part number:

6.273-254.0
6.273-253.0
6.273-207.0
6.273-213.0
6.273-208.0
6.273-214.0
6.273-209.0
6.273-215.0
6.273-252.0
6.273-210.0
5.394-911.0

ALL OUR PRODUCTS ARE DESIGNED AND MANUFACTURED IN OUR UK FACTORY

For more information please contact us on **01594 847150** or **sales@wattspu.co.uk**

TECHNICAL PROPERTIES: FLOOR SQUEEGEE

Our Floor Squeegee system is specially formulated for low hardness while maintaining high toughness and a long operational lifetime. It offers high resistance to both oils and a range of standard cleaning chemicals and it demonstrates superb antibacterial and antifungal properties.

Cured System – Typical Properties

Hardness (Shore A)	35	40	45	50	53	60	70
100% Modulus (MPa)	0.8	0.9	1.2	1.3	1.4	1.6	2.8
300% Modulus (MPa)	1.2	1.4	1.9	2.1	2.3	2.65	5.45
Tensile Strength (MPa)	12.4	14.5	15.3	17.8	19.0	22.3	25.2
Elongation at Break (%)	2000	1850	1650	1600	1450	1200	850
Angle Tear Strength (kN/m)	45	49	57	62	69	70	74
Resilience (%)	45.9	48.5	53.3	55.3	56.8	56.5	34.1
Abrasion loss (mm³ loss)	100	100	110	120	120	50	40
Antibacterial Properties	99.9% Reduction in Activity						
Antifungal Properties	100% Surface Inhibition						

This elastomer system is compliant with RoHS Directive 2011/65/EU, REACH EC1907/2006. Polyaromatic hydrocarbons (PAH) are not added or formed during manufacture.

Definition of Terms

100% Modulus (MN/m²)	The force required to stretch the material to twice its original length.
300% Modulus (MN/m²)	The force required to stretch the material to four times its original length.
Tensile Strength (MN/m²)	Also known as Ultimate Tensile Strength. The force required to stretch the material until its breaks.
Elongation at Break (%)	The degree to which the material can stretch before it breaks as a percentage of its original dimensions.
Angle Tear Strength (kN/m)	The resistance of the material to tearing. A higher figure denotes a higher force required to create a tear.
Compression Set (%)	The degree to which the material will take on permanent deformation when under compression. A lower percentage shows a lower deformation.
Resilience (%)	The ability of a material to absorb energy when deformed elastically and then release that energy upon unloading. The figure denotes the ability of the material to bounce, expressed as a percentage of the fall distance when dropped.
DIN Abrasion (mm³ loss)	Material's ability to resist abrasion. Lower figures indicate a higher resistance to wear.
Antibacterial Properties	Our squeegees have been externally tested to ISO 22196:2011and showed a >99.9% reduction in the activity of *Staphylococcus aureus* cells.
Antifungal Properties	Our squeegees have also been externally tested to AATCC Test 30 and demonstrated high resistance to *Aspergillus niger* and *Trichoderma virens*.

We have vast experience, knowledge and expertise. We also have truly premium products developed, manufactured and sold by a dedicated, professional and friendly team that would be delighted to hear from you!

ISSA MEMBER

Watts Urethane Products Limited Unit 23, Lighthouse Trade Park – Gate C • Church Road • Lydney • Gloucestershire • GL15 5EN • UK
Tel +44 (0) 1594 847150 • e sales@wattspu.co.uk • www.wattspolyurethane.co.uk