

About King Global

King Global Incorporate started operations in 2019 and has grown to be the largest Thailand based foam company.

Build on their own industrial estate of 280,000 m2 the company has a capacity to produce 25,000 metric tons of per year.

The flexible slabstock foam production is managed using a state-of-the-art automated system, ensuring a constant high-quality output.

King Global has the expertise and flexibility to develop and produce polyether foams to a customer's specific requirement for various industries such as furniture & bedding, acoustic & thermal insulation, textile lamination and automotive.

A highly advanced laboratory and our technical expertise ensure that product quality can be tested according to all relevant standards as well as placing King Global as a leader in the development of custom foam products.



KING
GLOBAL
INC.

King Global Inc

Polyurethane Foam

Bangkok Thailand
Sri Racha, Chonburi, Thailand



Polyurethane Foam Catalog

King Global Incorporate
Manufacturer of Premium Quality in Polyurethane Foam

Foam Specifications

Density and hardness are two main qualifying parameters which determine the usage of foam in various applications. All of King Global foam grades are specified using ASTM D3574, the international quality standard. The King Global laboratory also tests other parameters to determine the mechanical properties; e.g. tensile strength, elongation, rebound rate and recovery time specifically for viscoelastic/memory foams.

STANDARD FOAM GRADES

Foam Grade	Density (kg/cbm)	Hardness (Newton)	Tensile strength (kPa)	Elongation (% at break)	Rebound (%)	Compr. Set (%)
ST 25170	25	170	≥90	≥100	≥35	≤5
ST 28170	28	170	≥90	≥100	≥35	≤5
ST 30170	30	170	≥90	≥100	≥35	≤5
ST 35170	35	170	≥90	≥100	≥35	≤5

MEMORY FOAM GRADES

Foam Grade	Density (kg/cbm)	Hardness (Newton)	Tensile strength (kPa)	Elongation (% at break)	Recovery (s)	Compr. Set (%)
VE 3240	32	40	≥35	≥40	4	≤5
VE 4040	40	40	≥35	≥40	4	≤5
VE 5040	50	40	≥35	≥40	4	≤5
VE 6040	60	40	≥35	≥40	4	≤5

Modify to suit your business needs

CERTIFICATE OF ANALYSIS

Each foam we produce is tested in our modern laboratory against ASTM D3574 and provided with a certificate of analysis.

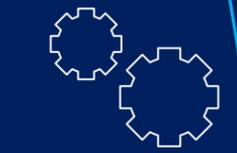
Currently we are establishing our process quality through ISO9001 implementation.

APPLICATION ENGINEERING

We understand manufacturing and the high demands on the materials you use. We collaborate together with our customers to develop innovative foam grades to meet their expectations as well as the expectation of their customers.

COLOR

Flexibility to produce any customer color requirement with our foaming technology and usage of the highest quality coloring systems. We can produce mono-color or marbled color.



CUSTOM SOLUTIONS

Of course we know that every application has different demands. That is why we developed the capability to adjust our foam portfolio to suit specific customer needs.

FOAM SOLUTIONS

To further enhance the quality of polyurethane foam we can add a variety of materials such as:

- Cooling gel
- Copper gel
- Flame retardant components
- Natural polyol
- UV Stabilizer
- Charcoal / Graphite

END TO END SOLUTIONS

Our international experienced team of customer service and engineers support our customers to get the right product, at the right time at the right place.

SAFETY & ENVIRONMENT

For our customers, employees and all other stakeholders we care deeply. Providing products which are free of any forbidden substances, we have a high focus on process safety.

COMPRESSION SET

To determine how well a foam grade can be compressed either for transportation efficiency or for usage in e.g, roll packed mattresses, the compression set is measured onsite to the extreme - 22 hours in a 70 degrees Celsius oven.

