

KAMATICS^{RWG}

Engineered Performance

Because Kamatics and RWG custom design bearing systems in collaboration with our customers, we have excelled at providing unique solutions in other markets. You'll find us around the globe in industries as varied as factory automation, motorsports, space, heavy equipment, and oil and gas. Our bearing systems succeed under extremely high loads and provide the lowest friction and the longest life.

Kamatics KAMTough Wear Strip material is a thin sheet of self-lubricating bearing material engineered to provide exceptional wear and abrasion resistance.

Benefits

- Extended life
- Superior Performance
- No maintenance
- Cost effective

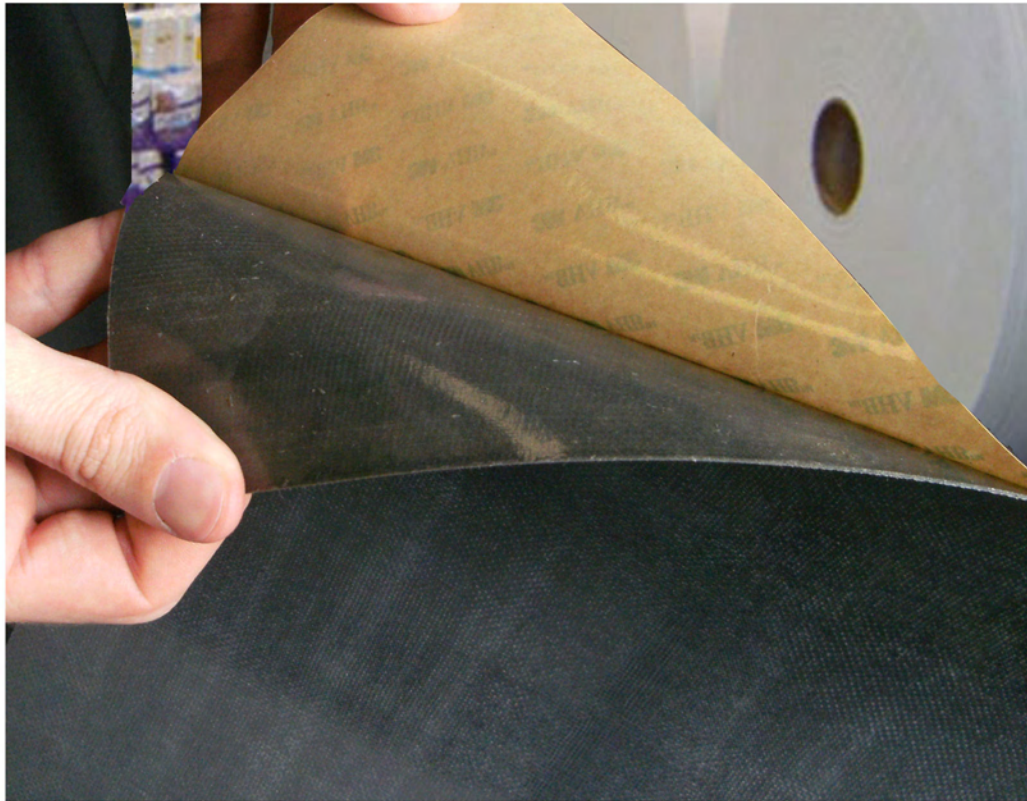
Features

- High load capacity
- Durable
- Fretting barrier
- Fluid compatibility
- Shock resilience

Think of KAMTough as a superior alternative to Delrin, UHMW and Teflon Tape.

KAMTough is used where impact resistance is required, under edge loading, in heavy abrasion applications, and where gross amounts of contaminants can be expected. Offered with either a peel and stick adhesive or prepared surface (peel ply) for bonding. Standard sizes are 12" x 12" or 12" x 48" sheets, with thickness options of light (.020"), medium (.032"), heavy (.060") or plate stock (.120").

KAM^{wear strip}Tough



KAMAN

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Engineering Data Sheet

KAMTough^{wear strip}

Typical Applications:

KAMTough Wear Strip is designed for applications where standard off-the-shelf wear resistant plastics fall short in performance. It can eliminate metal-to-metal wear and fretting damage on surfaces exposed to excessive rubbing or scuffing. Use the material where impact resistance is required, under edge loading, in heavy abrasion applications, and where gross amounts of contaminants can be expected.

Available sizes:

Our standard processes accommodate the manufacture of KAMTough Wear Strip in flat sheets up to 12" x 48". The material is offered in standard grades as follows:

Wear Strip Grade	Thickness - Inch
Light Duty	.020"
Medium Duty	.032"
Heavy Duty	.060"
Plate Stock	.120"

Wear Properties: (Based on standard bonding procedure)

A smooth stainless steel button, 1/2" diameter, was rubbed back and forth over a .200" long path against a sample of **KAMTough** Wear Strip. Travel speed was 8"/min for 180,000 cycles. Wear and friction were measured at various loads. Test values for UHMWPE and unfilled Acetal resin.

Chemical Resistance:

KAMTough - is unaffected by most hydraulic fluids, lubricating oils, fuels, fresh water and salt water.

Standard structural adhesive epoxy:

Can take full uninterrupted submersion in the above listed chemicals without any negative effect on the bond.

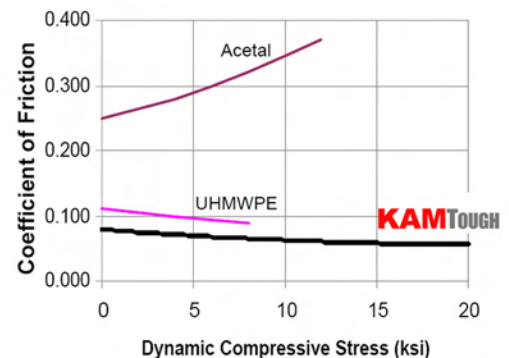
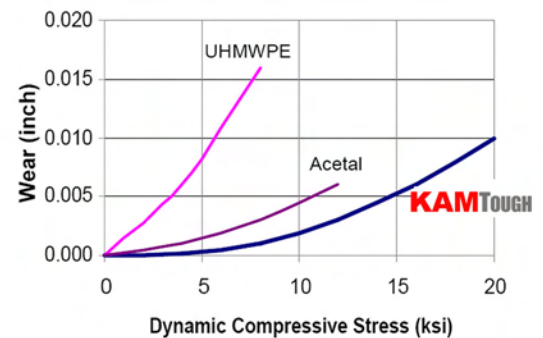
Self-Stick adhesive - (S) / Peel Ply - (P)

(S) - 3M™ VHB™ Adhesive Transfer Tape F9473PC utilize the high performance of 3M™ Adhesive 100MP, which has excellent long term holding power with much higher adhesion strength than typical pressure sensitive adhesive systems.

(P) - A removable woven nylon peel-ply on one surface to protect the bonding surface from dirt and debris. With the peel-ply removed and the back surface exposed, the KAMTough Wear Strip is prepared and ready for bonding on to a suitable surface.

Standard Part Numbering System

KMT 12" X
Self-Stick (S)
Peel Ply (P)
Length: (12") or (48")
Thickness: (.020"), (.032"), (.060"), (.120")
Example: KMT02012X48S



Custom shapes
available