

KARon® V Wear Strip Product Data Sheet

Description:

Kamatics KARon® V Wear Strip consists of standard KARon Grade V self lubricating bearing material applied onto a thin fiberglass substrate. It is designed to be bonded onto surfaces which are subjected to light to medium duty rubbing pressure, or as a fretting resistant barrier.

Physical Properties:⁽¹⁾

Coefficient of friction:	.04 - .08	
Compressive strength:	30,000 psi	(207 MPa)
Max dynamic load:	10,000 psi	(69 MPa)
Max operating temp.:	250 °F	(120 °C)
Wear rate:	.5×10 ⁻⁶ inch/ft of travel	(41.6×10 ⁻⁶ mm/meter)
Hardness:	85 - 90 Rockwell M	

Available Sizes:

Standard KARon V Wear Strip material is available in cut sheets of 12" x 48" (305 x 1219 mm), 3/4" and 1" wide strips, washers of various sizes, and custom die cut shapes. The material is available in two grades:

<i>KARon V Wear Strip Grade</i>	<i>Product Description</i>	<i>Nominal Thickness</i>
100	Light Duty Wear Strip	.018" (.46 mm)
200	Medium Duty Wear Strip	.036" (.91 mm)

Standard Part Numbering System:

For standard cut strip dimension parts, Kamatics uses the following part numbering system:

English dimensions: **KWSxxx[T] - yyy - zzz**

xxx = Wear strip grade

yyy = Part width in 1/8" increments up to 12", i.e. 024 = 3" wide

zzz = Part length in 1/4" increments up to 48", i.e. 096 = 24" long

T option = 3/8" Pull tab option (for easy removal of peel ply backing)

Examples: KWS100T-016-192 = Light Duty Wear Strip, 2" x 48", with pull tab

KWS200-008-144 = Medium Duty Wear Strip, 1" x 36", no pull tab

Metric dimensions: **KWSMxxx[T] - yyy - zzz**

xxx = Wear strip grade

yyy = Part width in 5mm increments up to 300mm, i.e. 020 = 100mm wide

zzz = Part length in 10mm increments up to 1200mm, i.e. 050 = 500mm long

T option = 9.5mm pull tab option (for easy removal of peel ply backing)

Examples: KWSM200-007-095 = Medium Duty Wear Strip, 35mm x 950mm, no pull tab

KWSM100T-015-050 = Light Duty Wear Strip, 75mm x 500mm, with pull tab

Bonding Procedure:

KARon V Wear Strip comes with a woven nylon peel-ply on the back of the fiberglass to protect the bonding surface from dirt and debris. When the pull tab (T) option is called out in the part number, a 3/8" (9.5mm) long break away tab will be provided for easy removal of the peel ply backing. With the peel-ply removed and the back surface exposed, the KARon V Wear Strip is prepared for bonding onto a suitable surface. A room-temperature curing structural epoxy adhesive⁽²⁾ is recommended for bonding KARon V Wear Strip material.

Notes:

- Above reported values based on wear strip only. Physical properties in service will be largely dependent upon the adhesive bond integrity, the substrate material, and surface preparation of the substrate.
- Suggested structural adhesives: Hysol EA9460, Hysol EA9309, Hysol EA9394 (Loctite), Scotchweld 460 (3M Co.), Araldite 2011 (Vantico).