

PTFE Coated Fiberglass Belts

Driving

W.F. Lake Corp. PTFE coated belts can usually be driven by flat metal pulleys. When driving large belts, it may be necessary to lag the drive roller with 30-40 durometer rubber. There are also lagging tapes readily available for a quick fix. All pulleys should be flat faced, tensions kept to a minimum and should remain constant to maintain consistent tracking and driving. Depending on the belt, a spring loaded idler, cantilevered idler or hydraulic or pneumatic tension devices will work. Any pulley with greater than a 90 deg. wrap should comply with the following suggested minimum pulley diameters.

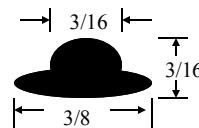
Suggested Minimum Pulley Diameters

Belt Thickness	Belt Width			
	1/4" to 11"	12" to 29"	30" to 59"	60" +
0.003" to 0.010"	3"	6"	8"	10"
0.011" to 0.019"	6"	6"	8"	10"
0.020" to 0.025"	8"	8"	8"	10"
0.026" to 0.050"	10"	10"	10"	10"

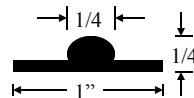
Tracking

W.F. Lake Corp. PTFE coated belts can be tracked in a number of ways. Satisfactory performance begins with proper startup procedures (available from W.F. Lake Corp). **Although many belts run slowly and without anything more than an adjustable head or tail pulley, larger belts operate best with automatic guiding systems.** In some cases (solid woven PTFE coated fiberglass) smaller belts work well with mechanical systems such as metal "pins" or "snaps", extruded silicone edge guides or grommets fastened to drive mechanisms with springs or clips.

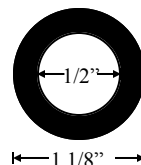
"Pins" or "snaps" are metal "dot" fasteners inserted in one or both edges of a belt. They are designed to run in a grooved pulley. They are designed for tracking only and can not be used to drive a belt.



Our **Extruded Silicone Edge Guide** is designed to replace metal pins or snaps. These high temperature guides reduce pulley wear, gliding easily through pulley grooves.



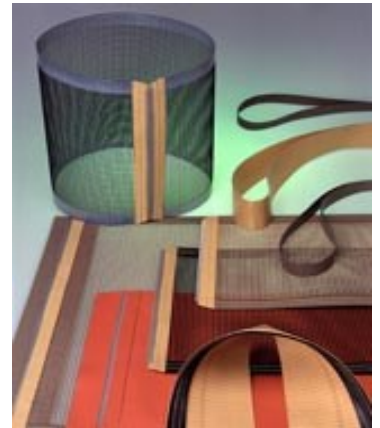
Grommets are intended only for attaching a belt to a drive via springs or clips. They are designed for tracking only and can not be used to drive a belt. They are the least used method of tracking, accounting for less than 1% of belt tracking methods.



Other sizes upon request.

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W.F. LAKE

High Performance PTFE & Silicone Coated Products

W.F. Lake Corp. manufactures high performance PTFE and Silicone coated products designed for extreme operating environments. Our non-stick, temperature and chemical resistant materials are uniquely suited for a wide variety of specialized industrial applications in a number of diverse industries. By combining our broad based in-house processing and converting capabilities, we are able to offer you creatively engineered products especially suited to your application. Give us a call to discuss your material needs... we're ready to help!

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PTFE Coated Fiberglass products !***



PTFE Coated ...

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Braided Lacing Tapes

Yarns

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S-2 Glass Sewing Thread (1400 deg. F)

Kevlar Sewing Thread*

Quartz Sewing Threads (2000 deg F !!!)

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