PYRATHANE® 92AE

This material is the standard and most often used 92A durometer version of our PYRATHANE *products family and is also one of the most economical.*

Please see our product brochure for more information regarding our products.

PYRATHANE 92AE is a polycaprolactone-based polyurethane which is clear in coloration. It is extremely tough and durable, exhibiting high tensile strength as well as excellent abrasion resistance..

Because of greater abrasion resistance, PYRATHANE 92AE is especially well-suited for applications where higher amounts of wear might be expected.

Belts of both flat and round configurations can be manufactured of this material.

We recommend an initial stretch of approximately 7-1/2%, which works well on most applications. This stretch will provide approximately 50% more tension than our 83A material at 10%.

Polyurethanes of higher durometers usually will exhibit shorter flex lives than their softer counterparts and our PYRATHANE 92AE is no exception. The stiffness of this material also dictates larger pulley diameters.

PROPERTIES AND CHARACTERISTICS OF PYRATHANE 92AE
(approximate)

SHORE HARDNESS	
"A" Scale ASTM D 2240	93 +/- 4
ULTIMATE TENSILE STRENGTH	
PSI ASTM D 412	5,900
ULTIMATE ELONGATION	
% ASTM D 412	500
TENSILE MODULUS	
PSI @100% ELONGATION PSI @300% ELONGATION ASTM D 412	1,550 3,600
TEAR STRENGTH	
PLI Die "C" ASTM D 624	550

Pyramid Inc. has materials available that have advantages such as higher co-efficients of friction or for use where static dissipation is desirable or where ultraviolet light is a concern.

To assist in your considerations of this material, we believe the following comparisons to our standard 83A PYRATHANE might be helpful.

ADVANTAGES

- Higher abrasion resistance
- Higher torque carrying capacity

DISADVANTAGES

- Shorter flex life
- Lower coefficient of friction

This data is provided for general information and material comparison. The potential user should perform tests to determine the product's performance and suitability in the intended application. Final determination of the fitness of the product for any particular use is the responsibility of the buyer.

PYRAMID INC. PO Box 200 Newton, Iowa **641.792.2405** FAX **641.792.2478** E-mail **sales@pyramidbelts.com**