

PYRATHANE® 92A

This material is the most often used 92A durometer version of our PYRATHANE products family.

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

PYRATHANE 92A is an FDA 1680 & 2600 compliant polyester-based polyurethane which is clear in coloration. It is extremely tough and durable, exhibiting high tensile strength as well as excellent abrasion resistance.

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.

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

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

PROPERTIES AND CHARACTERISTICS OF PYRATHANE 92A (approximate)

SHORE HARDNESS

"A" Scale 92 +/- 3
ASTM D 2240

ULTIMATE TENSILE STRENGTH

PSI 6,000
ASTM D 412

ULTIMATE ELONGATION

% 450
ASTM D 412

TENSILE STRESS

PSI @100% ELONGATION 1,660
PSI @300% ELONGATION 3,500
ASTM D 412

TEAR STRENGTH

Die "C" lbf/in 775
ASTM D 624

FDA COMPLIANCE

1680 & 2600

AMBIENT OPERATING TEMP

-10° to +150° F

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

ADVANTAGES

- 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.