PYRATHANE® 92AX

This material is a more specialized version of our products family and therefore a modest upcharge is associated with it.

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

PYRATHANE 92AX is an FDA 1680 compliant copolyester elastomer that demonstrates excellent low temperature flex characteristics as well as the ability to perform at a considerably higher temperature level than our standard 83A PYRATHANE.

Temperatures as low as -40°F and as high as +200°F are possible.

92AX has excellent resistance to a wider variety of chemicals allowing its use in applications urethanes could not tolerate.

Belts of both flat and round configurations can be manufactured of the 92AX material.

As the modulus of 92AX is considerably higher than our 83A material, we would recommend an initial stretch of approximately 5% which still provides more tension than our PYRATHANE 83A

92AX can sometimes provide necessary low temperature flexibility or chemical tolerance which may offset its poorer abrasion resistance.

PROPERTIES AND CHARACTERISTICS OF 92AX
(approximate)

SHORE HARDNESS	
"A" Scale ASTM D 2240	92 +/- 3
ULTIMATE TENSILE STRENGTH	
PSI ASTM D 638	4,000
ULTIMATE ELONGATION	
% ASTM D 638	550
TENSILE MODULUS	
PSI @ 5% ELONGATION PSI @10% ELONGATION ASTM D 638	340 530
TEAR STRENGTH	
PLI Die "C" ASTM D 1004	580
FDA COMPLIANCE	1680

When considering 92AX for your application, only the general information provided in our product brochure will be applicable. Please call us with any questions.

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

ADVANTAGES

- Flexibility at lower temperatures
- Elevated temperature tolerance
- High torque carrying capacity
- Wider chemical resistivity

DISADVANTAGES

- Poor abrasion resistance

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 application is the responsibility of the buyer.

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