

PYRATHANE[®] 83A

This material is the standard, best all-around, and most often used version of our PYRATHANE products family and is also the most economical.

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

PYRATHANE 83A 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 and flex life. Our PYRATHANE 83A has been specifically selected for drive belt applications. Pyramid has nearly forty years of experience with this material, and it has proven its superiority to other polyurethanes for most applications.

Belts of both flat and round cross sections can be manufactured of the 83A material.

Ambient operating temperature limits are -10° to +150° F

We recommend an initial stretch of approximately 10% which works well on most applications. Higher or lower stretch percentages can be utilized to increase or decrease the final belt tension. Moderate variations can be used with little effect on belt life.

PYRATHANE 83A is the most often requested of our family of products and for good reason ...

High Co-efficient of Friction
Excellent Flex Life
High abrasion resistance
Resistant to Oils, Greases and Ozone

Pyramid Inc. has other PYRATHANE materials available that are specifically designed for greater load carrying capacities, environments with ultraviolet light exposure, where static dissipation is desirable, etc. Please review our other specification sheets or contact us for further information.

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.

PROPERTIES AND CHARACTERISTICS OF PYRATHANE 83A (approximate)

SHORE HARDNESS

"A" Scale 85 +/- 3
ASTM D 2240

ULTIMATE TENSILE STRENGTH

PSI 5,000
ASTM D 412

ULTIMATE ELONGATION

% 500
ASTM D 412

TENSILE MODULUS

PSI @100% ELONGATION 750
PSI @300% ELONGATION 1,700
ASTM D 412

TEAR STRENGTH

PLI Die "C" 500
ASTM D 624

FDA COMPLIANCE 1680 & 2600

AMBIENT OPERATING TEMP -10° to +150° F