

# PURESTAT ENGINEERED TECHNOLOGIES, INC.

## Nuclear Green Polyethylene per LP 378D - Type 2 MIL-DTL-24466C(SH)

<u>Physical Properties</u>	<u>Test Method</u>	<u>Specification</u>
Thickness (inches)	Micrometer	6 mil +/- 20%
Density g/cc <sup>3</sup>	ASTM D-1505	.922 toler .914 - .944
Tensile Strength	ASTM D-882	MD - > 10.20 lbs/in TD - > 7.20 lbs/in
Elongation	ASTM D-882	MD - > 225% TD - > 350%
Heat Seal Strength	ASTM D-882	60% of film break point
Dart Impact	ASTM D-1709	> 305 grams
Slip	ASTM D-1894	.2 Max
Water Vapor Transmission Rate MVTR	ASTM F-1249 @ 100F, 100 sq in/24 hrs	.25 Max

### Heat Sealing

Temperature - 250 - 375 degrees F

Time - .5 - 3.5 seconds

Pressure - 30 - 70 PSI

### Water Leachable Halides/Sulfur

Water Leachable Bromide	<250ppm ug/g
Water Leachable Chloride	<250ppm ug/g
Water Leachable Flouride	<250ppm ug/g
Water Leachable Sulfur	<250ppm ug/g

Color Tinted Green FED STD 595 Color 24664

Shelf life - Indefinite if kept in a cool, dry place under 160 degrees F, and kept out of direct sunlight.

Sizes: As specified by the customer.

The values shown above were developed from random samples taken from production material we believe to be typical for the product. However, actual values may vary somewhat from those depicted here and PST makes no warranty, expressed or implied, as to the suitability of these materials for any specific use. Customers should determine product suitability based upon their own initial criteria. Nothing herein is to be taken as a license to operate under or a recommendation to infringe upon any patent.

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