PIERCAN USA, INC.

POLYURETHANE / SHIELDING / CSM GLOVE

Polyurethane (U)
Bismuth Tungsten Lanthanum Oxide-suspended in Neoprene (S)
Chlorosulphonated Polyethylene (Y)

Polymer Type

▪*POLYURETHANE / SHIELDING / CSM (Polyurethane, Bismuth Tungsten Lanthanum Oxide-suspended in Neoprene, Chlorosulphonated Polyethylene)*

Characteristics

▪*Non-Leaded Radiation Shielding protects against Alpha, Beta, and Gamma Radiation*
▪*Excellent chemical resistance*
▪*High resistance to Ozone and UV*
▪*Resistant to reducing acids*
▪*Delivers significant dexterity compared to lead-loaded shielding glove*

Fields of Application

▪*Nuclear Industries*
▪*Life Sciences (Pharmaceutical/Medical)*

Cleaning Options

▪*Autoclave not approved*
▪*Wipe with 70% Isopropyl Alcohol*

Storage Conditions

▪*Store in original packaging between 35° F to 85° F (1.67° - 29.4° C)*

Packaging

▪*Hands are lightly packed with tissue paper and packaged by pair. Bags are vacuumed and heat sealed and shipped in double wall corrugated boxes.*

Shelf Life

▪*3 years from DOM*

Glove Disposal

▪*Non-recyclable*
▪*Classified non-toxic waste if not contaminated*
▪*Provides excellent disposal cost savings vs. lead-loaded gloves*

Visible Characteristics

Material Designator	***USY***
Color	***White/Grey/Yellow***
Port Sizes	***8"*** *(203mm),* ***10"*** *(254mm)*
Hand Styles	***Ambidextrous or Left/Right***
Hand Sizes	***8.5, 9.75, 10.5*** *(216mm, 248mm, 267mm)*
Length	***30", 32" +/- 1"*** *(762mm, 813mm +/- 25mm)*
Thickness	*3DA - .025" (.64mm)* *4DA - .035" (.89mm)* *5DA - .045" (1.14mm)*
Dose Attenuation Factor/ Lead Equivalence	*3X / .03mm LE* *4X / .04mm-.06mm LE* *5X / .08mm -.10mm LE*
Bead	***0.125"-0.250"*** *(3.175mm-6.35mm)*

Mechanical Properties

	Tensile Strength	***Elongation at Break***
3DA	***>2200 Psi***	***>500%***
4DA	***>1500 Psi***	***>500%***
5DA	***>1000 Psi***	***>300%***

Chemical Properties *(For guidance only)*

Chemicals	***Performance***
Autoclave sterilization	**-**
Alcohol	**+++**
Acids, bases	**+++**
Strong oxidizers	**+++**
Ozone, UV, natural aging	**+++**
Ketonic solvents	**-**
Chlorinated solvents	**-**
Aromatic solvents and oils	**-**

- *Not recommended* ***+*** *Acceptable in certain conditions*
++ *Acceptable* ***+++*** *Excellent*

Temperature Limits

Low Temperature Limit	***High Temperature Limit***
-4° F	*160° F*
-20° C	*71° C*

PiercanUSA, Inc. | 180 Bosstick Blvd, San Marcos, CA, USA 92069
1(760)599-4543 www.PIERCANUSA.com