

PRODUCT DESCRIPTION

CSPE M423 is a 3-ply chlorosulfonated polyethylene reinforced flexible geomembrane with an exceptional service life. It is a synthetic rubber product manufactured by the calendar process into plies that are combined over reinforcing polyester scrim layer or layers during manufacture. It is available in up to 5-ply layers. (with two reinforcing layers)

CSPE M423 is a highly UV stabilized product to be used extensively in municipal water containment. It has exceptional durability and longevity properties. CSPE materials are available in varying styles, colors, plies, supporting scrim types and thicknesses. The material comes with a 30-year weathering warranty for approved CSPE applications.

PRODUCT USE

CSPE M423 is commonly used when high strength, UV stability and chemical resistance is required. It is NSF-61 approved, which is often required and specified for municipal and potable water storage applications like dams, reservoirs, desalination plants and tank lining projects. Its reinforced properties make it extremely durable, and the 30-year weathering warranty makes it a smart choice for many municipal containment projects.

SIZE & PACKAGING

CSPE M423 is available in a variety of widths and lengths to meet project requirements. Large diameter mill rolls are available to assure an efficient seaming process. Custom-sized factory welded panels are produced in a controlled environment and are accordion folded and tightly rolled on a heavy-duty core for ease of handling and time saving installation.

CSPE



Potable Water Storage Reservoir

PRODUCT

PART

CSPE (60 mil Black).....	M423B
CSPE (60 mil Tan).....	M423T
CSPE (60 mil White).....	M423W

APPLICATIONS

- Pond Liners
- Potable Water Storage
- Baffle Curtains
- Floating Covers
- Drop-in Tank Liners
- Desalination Cell Liners
- Reservoir Liners

CSPE_{M423}

CHLOROSULFONATED POLYEHTYLENE – NSF/ANSI STANDARD 61 CERTIFIED

		CSPE M423			
		IMPERIAL		METRIC	
PROPERTIES	TEST METHOD	MINIMUM	TYPICAL	MINIMUM	TYPICAL
APPEARANCE		Black, Tan, White, & Custom Colors Available			
THICKNESS OVERALL OVER SCRIM	ASTM D751	58 Mil 18 Mil	60 Mil Pass	1.47 mm	1.52 mm
BREAKING STRENGTH	ASTM D751 Grab Method	300 lbs	350 lbs	1334 N	1556 N
ELONGATION AT BREAK (% MIN.)		75%	105%	75%	105%
TEAR PROPAGATION (POUNDS MIN.)	ASTM D751 Tongue Tear 8x8 Sample	80 lbs	100 lbs	355 N	444 N
HYDROSTATIC PRESSURE (MIN. RESISTANCE, PSI)	ASTM D751 Method A Procedure I	400 psi	450 psi	2757 kPa	3102 kPa
PUNCTURE RESISTANCE (POUNDS TYPICAL)	FTMS 101B Method 2031	250 lbs	300 lbs	1112 N	1334 N
BONDED SEAM STRENGTH (POUNDS MIN.)	ASTM D751 Modified (12 in./min)	270 lbs	90% of Parent Material	1201 N	90% of Parent Material
PLY ADHESION (LBS./IN-WIDTH MIN.)	ASTM D413 Machine Method Type A (12 in./min)	10 lbs	10 lbs	44 N	44 N
OZONE RESISTANCE	ASTM D1149 1/8 Bent Loop 100 PPHM 104°F, 7 days	No Affect	Pass	No Affect	Pass
LOW TEMPERATURE	ASTM D2136 1/8" Mandrel 4 hrs. @-40°F	Pass	Pass	Pass	Pass
TOTAL PLIES		3			
SCRIM TYPE		10x10 - 1000 D			

CSPE

CSPE M423 is a chlorosulfonated polyethylene reinforced flexible geomembrane with an exceptional service life. It is a synthetic rubber product manufactured by the calendar process into plies that are combined over reinforcing polyester scrim layer or layers during manufacture. It is available in up to 5-ply layers. (with two reinforcing layers) M423, a product of Burke Industries, is certified under the NSF/ANSI Standard 61, Drinking Water System Components – Health Effects.

Note: To the best of our knowledge, unless otherwise stated, these are typical property values and are intended as guides only, not as specification limits. Chemical resistance, odor transmission, longevity as well as other performance criteria is not implied or given and actual testing must be performed for applicability in specific applications and/or conditions. VIAFLEX MAKES NO WARRANTIES AS TO THE FITNESS FOR A SPECIFIC USE OR MERCHANTABILITY OF PRODUCTS REFERRED TO, no guarantee of satisfactory results from reliance upon contained information or recommendations and disclaims all liability for resulting loss or damage. Limited Warranty available at www.viaflex.com

VIAFLEX, INC.

821 W Algonquin Street Sioux Falls, SD 57104
Ph: +1 (605) 335-0174 • TF: +1 (800) 635-3456
© 2022 VIAFLEX, INC. All rights reserved.

sales@viaflex.com
www.viaflex.com