

## PRODUCT DESCRIPTION

CSPE M283 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 M283 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 M283 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 M283 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



Desalination Plant Cell Liner & Floating Cover

## PRODUCT

## PART #

CSPE (36 mil Black).....	M283B
CSPE (36 mil White).....	M283W
CSPE (36 mil Tan).....	M283T

## APPLICATIONS

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

# CSPE<sub>M283</sub>

CHLOROSULFONATED POLYETHYLENE (CSPE) – NSF/ANSI STANDARD 61 CERTIFIED

PROPERTIES	TEST METHOD	CSPE M283			
		IMPERIAL		METRIC	
		MINIMUM	TYPICAL	MINIMUM	TYPICAL
APPEARANCE		Black, Tan, White, & Custom Colors Available			
THICKNESS OVERALL OVER SCRIM	ASTM D751	34 Mil 11 Mil	36 Mil Pass	0.86 mm	0.91 mm
BREAKING STRENGTH	ASTM D751 Grab Method	225 lbs	280 lbs	1000 N	1245 N
ELONGATION AT BREAK (% MIN.)		50%	90%	50%	90%
TEAR PROPAGATION (POUNDS MIN.)	ASTM D751 Tongue Tear 8x8 Sample	70 lbs	90 lbs	311 N	400 N
HYDROSTATIC PRESSURE (MIN. RESISTANCE, PSI)	ASTM D751 Method A Procedure I	300 psi	425 psi	2068 kPa	2930 kPa
PUNCTURE RESISTANCE (POUNDS TYPICAL)	FTMS 101B Method 2031	200 lbs	240 lbs	889 N	1067 N
BONDED SEAM STRENGTH (POUNDS MIN.)	ASTM D751 Modified (12 in./min)	200 lbs	90% of Parent Material	889 N	90% of Parent Material
PLY ADHESION (LBS./IN-WIDTH MIN.)	ASTM D413 Machine Method Type A (12 in./min)	8 lbs	10 lbs	35 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

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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](http://www.viaflex.com)

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