Vipel® F010-H2O-00

Vinyl Ester

AOC, L.L.C.

Message:

F010-H2O-00 Coating System for Potable Water
POTABLE WATER
NSF/ANSI 61 Certified
Vipel F010-H2O-00 is certified to NSF/ANSI 61 for use in commercial and domestic potable water systems as a protective barrier material. If fabricators follow the ingredients and process instructions listed on page 3, they do not need to perform additional testing to manufacture a NSF/ANSI 61 compliant coating.
BENEFITS
Suitable for Sodium Hypochlorite Containment
The formulation of Vipel F010-H2O-00 is also appropriate and suitable for sodium hypochlorite (chlorine bleach) containment. Sodium hypochlorite is a widely accepted water purification chemical that is very aggressive to most metals and many polymeric materials. The use of coatings that are not formulated for sodium hypochlorite containment will reduced the service life of the equipment.

General Information			
Features	alkali resistance		
Uses	Pipeline coating Coating application Potable water application		
Agency Ratings	NSF 61		
Forms	Liquid		
Physical	**Nominal Value**	**Unit**	**Test Method**
Styrene Content	39	%	
Critical Strain Energy	100	J/m^2	ASTM E399
Gel to Peak	10.0	min	
Peak Exotherm	180	°C	
Stress Intensity Factor	0.600		ASTM E399
Hardness	**Nominal Value**	**Unit**	**Test Method**
Barcol Hardness	39		ASTM D2583
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus	3170	MPa	ASTM D638
Tensile Strength	88.3	MPa	ASTM D638
Tensile Elongation (Break)	6.2	%	ASTM D638
Flexural Modulus	3450	MPa	ASTM D790
Flexural Strength	152	MPa	ASTM D790
Compressive Strength	121	MPa	ASTM D695
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load (1.8 MPa, Unannealed)	120	°C	ASTM D648
Glass Transition Temperature	130	°C	DIN 53445
Electrical	**Nominal Value**	**Unit**	**Test Method**

Surface Resistivity	> 1.0E+13	ohms	DIN 53482
Volume Resistivity [1]	> 1.0E+16	ohms·cm	DIN 53482
Dielectric Strength (0.700 mm)	120	kV/mm	DIN 53481
Dielectric Constant			DIN 53483
60 Hz [2]	3.40		DIN 53483
60 Hz [3]	3.50		DIN 53483
1 kHz [4]	3.40		DIN 53483
1 kHz [5]	3.50		DIN 53483
1 MHz [6]	3.30		DIN 53483
1 MHz [7]	3.40		DIN 53483
Dissipation Factor			DIN 53483
60 Hz [8]	2.5E-3		DIN 53483
60 Hz [9]	3.7E-3		DIN 53483
1 kHz [10]	2.2E-3		DIN 53483
1 kHz [11]	3.3E-3		DIN 53483
1 MHz [12]	1.6E-3		DIN 53483
1 MHz [13]	2.3E-3		DIN 53483

Uncured Properties	Nominal Value	Unit	Test Method
Density	1.05	g/cm³	
Viscosity (25°C, Brookfield RVT)	0.30	Pa·s	
Gel Time (25°C)	20	min	

NOTE	
1.	Dry
2.	Dry
3.	after 24 hrs in drinking water
4.	Dry
5.	after 24 hrs in drinking water
6.	Dry
7.	after 24 hrs in drinking water
8.	Dry
9.	after 24 hrs in drinking water
10.	Dry
11.	after 24 hrs in drinking water
12.	Dry
13.	after 24 hrs in drinking water

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

WECHAT