



## Data Sheet

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### PETROLATUM TAPE

#### Description :

A specialist tape to be used in conjunction with Primer Petrolatum for long term corrosion protection of steel piles and structural steel in marine environments. The Petrolatum Tape is designed for use of either immersed, Underwater, or above the tidal zone applications.

#### Composition :

Non Woven Stitch bonded synthetic fabric, fully impregnated and coated with neutral petrolatum based compounds and inert fillers Petrolatum based, is not polymerize or oxidize and therefore retains its water resistance and dielectric properties over an indefinite period. It is free of chemical impurities.

#### PHYSICAL PROPERTIES :

Tensile strength	45	lb/inch
Thickness	1,3	mm
Mass	1440	g/m <sup>2</sup>
<i>Water Vapor</i>		
Permeability/24 Hrs, ASTM E96	0.12	g/m <sup>2</sup>
Holiday test	16	kV
Operating temperature	-50 to +130	deg.F
Roll length	10	mtr

### PRIMER PETROLATUM

#### Description:

A preparatory marine priming paste used to displace surface moisture, passivate surface oxides and fill small irregularities in the surfaces for underwater applications, contains wide spectrum biocides that resist the growth and continued activity of microbial organisms.



# ANUGRAH KITA

## Composition:

Saturated petrolatum based compound incorporating wetting and passivating agents. Contains wide spectrum biocides (Anti-bacterial Agent).

## Characteristics :

Chemically Resistant and impervious to water. Will not dry or harden. may be applied underwater without risk of material loss due to “drop off” from steel substrate.

**Operating Temperature:** 23°f to 113°f

## HDPE JACKET

Providing protection as the outer layer from the internal petrolatum wrapping system. Fully Chemical resistance.

Property	Test Method	Minimum Average Values			
		30 Mil	40 Mil	60 Mil	80 Mil
Thickness, mils	ASTM D 5199				
minimum average		30	40	60	80
lowest individual reading		27	36	54	72
Sheet Density, g/cc	ASTM D 1505/D 792	0.940	0.940	0.940	0.940
<b>Tensile Properties</b> <sup>1</sup>	ASTM D 6693				
1. Yield Strength, lb/ in		63	84	126	168
2. Break Strength, lb/ in		114	152	228	304
3. Yield Elongation, %		12	12	12	12
4. Break Elongation, %		700	700	700	700
Tear Resistance, lb	ASTM D 1004	21	28	42	56
Puncture Resistance, lb	ASTM D 4833	54	72	108	144
Stress Crack Resistance <sup>2</sup> , hrs	ASTM D 5397 (App.)	300	300	300	300
Carbon Black Content <sup>3</sup> , %	ASTM D 1603	2.0 - 3.0	2.0 - 3.0	2.0 - 3.0	2.0 - 3.0



Oxidate Induction Time (OIT) Standard OIT, minutes	ASTM D 3895	100	100	100	100
Oven Aging at 85°C High Pressure OIT (% retained after 90 days)	ASTM D 5721 ASTM D 5885	80	80	80	80
UV Resistance <sup>5</sup> High Pressure OIT <sup>6</sup> (% retained after 1600 hrs)	GRI GM11 ASTM D 5885	50	50	50	50
<b>Seam Properties</b>	ASTM D 6392 (@ 2 in/min)				
1. Shear Strength, lb/ in		57	80	120	160
2. Peel Strength, lb/ in - Hot Wedge		45	60	91	121
- Extrusion Fillet		39	52	78	104