

Petcor 2910-D

Barium Soap Rust Preventive

Description

Petcor 2910-D is a barium soap of oxygenated hydrocarbons. It is a highly effective water displacing rust preventative.

Petcor 2910-D offers excellent solubility with a wide range of base oils and petroleum solvents, depending on the type of film required. The resultant films are ultra-thin, non-staining, and provide excellent humidity resistance.

Solutions of Petcor 2910-D provide excellent water displacement properties, and will separate water displaced from metal surfaces quickly and completely, even after vigorous agitation.

Application

- Use as a rust preventative. Protection is obtained from solutions containing as little as 5% Petcor 2910-D.
- Can be blended with base oils or petroleum solvents.

Typical Properties

Property	Typical	Min.	Max.
Appearance	Light Brown, waxy solid		
Acid Value (mgKOH/g)	-	-	10
Saponification Value (mgKOH/g)	-	48	58
Drop Melt Point (°C)	-	38	45
Flash Point (°C)	Reported on CoA	-	-
Density @15.6°C	Reported on CoA	-	-

Storage and Handling

Consult the MSDS for specific information.



Report: Salt spray testing on Petrico Products

Product samples tested:-

W: Petcor 2910 D on prepared polished Q-panel at 11.0 micron film thickness.
X: Petcor 2910 D on prepared polished Q-panel at 17.5 micron film thickness.
Y: Petcor 2910 D on prepared polished Q-panel at 12.5 micron film thickness.
Z: Petcor 2910 D on prepared polished Q-panel at 15.5 micron film thickness.

The standard polished Q plates were prepared by being cleaned with low acid paper using toluene and then isopropanol, checking the final piece of paper used showed no sign of dirt from the plate on a final clean.

These were then spray coated with a solution of the product in solvent until the desired dry film thickness was achieved. The film thickness was calculated using the weight of dry product applied and the area covered.

Finally when tested for salt spray resistance, ASTM B117 method was followed.

Testing Laboratory Used:-



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Results:-Panel summary

Salt Spray Accelerated Corrosion - Test Report

		Test Report Number	:	S91565
		Date Specimens Received	:	10.02.17
		Date Test Report Issued	:	24.04.17
		Purchase Order No.	:	9335
Specification and Test Method	:	ASTM B117 (rack mount at 20 %		
Test Specimen(s) Description	:	Steel Q panel, approx. 150mm x 1	00mm	
Surface Finish / Treatment	:	Oil / wax treatment; labelled W, X, Y & Z		
No. of Test Pieces	:	4 off		
Specimen Performance Requirement	;	Run to 10% red & record hours. Disregard areas within 1 cm of edg	jes an	d holes.

Test Results

Treatment	Requirement	Exposure (hr)	Test Specimen Condition after Exposure
Oil / wax Run to 10% red & treatment record hours			All test specimens;
		216	Clean and free of corrosion and surface degradation.
	672	Clean and free of corrosion and surface degradation.	
	840	Main surfaces clean and free of corrosion, start of red corrosion to panel edges only.	
	1008	No discernible difference from 840hrs	
	1176	First isolated spots of red corrosion noted to main surfaces.	
		1656	Isolated spots of red corrosion assessed to be <10%. Run off corrosion from top edge disregarded, removed from test.

Salt solution: 50 ±5 g/L in water. Conductivity <5microS/cm



In process and final photos of the panels:-





