

# DIAMOND-HYDE™ COATED SS WASHERS

Abrasion resistant hardened coated stainless steel washers

Unlike Xylan® coated isolation washers, the new Diamond-Hyde™ Coated SS Washers are much more abrasion resistant and stronger dielectrically than the older generation isolation washers. Long life and superior electrical performance are dependent upon an impermeable, electrically resistant coating. Diamond-Hyde™ Coated SS Washers provide both with the addition of a very chemically resistant barrier.

The isolating washer can be the weakest link in a flange isolating kit. By using Diamond-Hyde™ Coated SS Washers, the washer is virtually impervious to cracking, chipping or scratching. The Diamond-Hyde™ Coated SS Washer has passed API 6FB fire testing.



## PHYSICAL PROPERTIES:

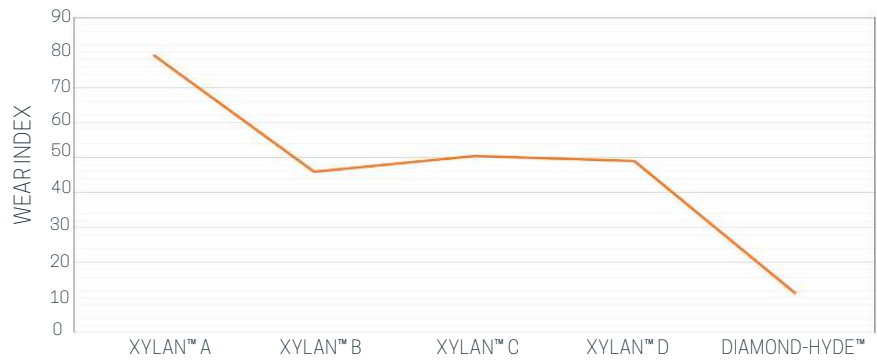
Color	Dark brown
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The Diamond-Hyde™ Coated SS Washer simplifies washer installation (no specific order required during installation), eliminates GRE washer cracking and resists the elements better than any coated isolating washer.

## COMMON DIAMOND-HYDE™ COATED SS WASHERS PROPERTIES

ASTM	Test Method	Typical Values
D149	Dielectric Strength Volts/Mil (Short Time)	1,400
D229/D570	Water Absorption (%)	0.03%
ASTM D4060	Taber Abrasion	> 1 G Ohm @ 1000 VDC
Abrasive Wheel: CS-17 Load: 1000 g Number of Cycles: 5000 Platform Rotation: 72 RPM	Mass Loss [mg]	56
	Taber Wear Index	11.3
	Tensile Strength gasket (psi)	70,000
	Tensile Strength Dielectric Material (psi)	24,000
	*Temperature Range °F/°C	
	Minimum	-300°F/-184°C **
	Maximum	500°F/260°C
B117	Salt Spray Resistance @ 5% salt solution with no red rust (hrs)	2,000

**ASTM D4060 ABRASION TEST**



\* the lower the value, the more abrasion resistant the product

**COATING SCRATCH TEST - SH706 MANUAL SCRATCH HARDNESS TESTER - ISO 1518-1**



**EVOLUTION®**

1400+ Passes before losing isolation



**Fusion Bonded Epoxy**

90 Passes before losing isolation



**Xylan™**

2 Passes before losing isolation

\* 400 X Magnification

SH706 Manual Scratch Hardness Tester - ISO 1518-1, tungsten carbide hemispherical stylus, 2000g of weight. Product is scratched until isolation is lost.