

PRODUCT SUBMITTAL



Polymer Coated 1500hr Screw (for Steel Stud)



DESCRIPTION / MATERIAL CONFORMANCE
<p>Polymer Screw:</p> <ul style="list-style-type: none"> · The maximum in corrosion resistant coatings. · Average of 30 cycles of corrosion resistance. · Provides long-term corrosion protection. · Compatible with painted or metal surfaces. · Out performs existing mechanical and electro-platings. · Does not promote corrosion that can be caused by electro-chemical reaction between dissimilar metals.
<p>ASTM - C954 Darco coating designed to sustain ASTM - B117 1500 hours</p>

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<p>Washer:</p> <p>Metal Portion: Darco coating designed to sustain ASTM - B117 1500 hours. Material: EPDM (ethylene propylene diene monomer rubber)</p>										
<p>Mechanical properties of EPDM</p> <table border="1"> <thead> <tr> <th>Property</th> <th>Value</th> </tr> </thead> <tbody> <tr> <td>Hardness, Shore A</td> <td>30-90</td> </tr> <tr> <td>Tensile failure stress, ultimate 17</td> <td>MPa (500-2500 PSI)</td> </tr> <tr> <td>Elongation after fracture in %</td> <td>≥ 300%</td> </tr> <tr> <td>Density</td> <td>Can be compounded from 0.90 to >2.0 g/cm3</td> </tr> </tbody> </table>	Property	Value	Hardness, Shore A	30-90	Tensile failure stress, ultimate 17	MPa (500-2500 PSI)	Elongation after fracture in %	≥ 300%	Density	Can be compounded from 0.90 to >2.0 g/cm3
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<p>Thermal properties of EPDM</p> <table border="1"> <tbody> <tr> <td>Coefficient of thermal expansion, linear[7]</td> <td>160 μm/(m·K)</td> </tr> <tr> <td>Maximum service temperature[8]</td> <td>150 °C</td> </tr> <tr> <td>Minimum service temperature[8]</td> <td>-50 °C</td> </tr> <tr> <td>Glass transition temperature</td> <td>-54 °C</td> </tr> </tbody> </table>	Coefficient of thermal expansion, linear[7]	160 μm/(m·K)	Maximum service temperature[8]	150 °C	Minimum service temperature[8]	-50 °C	Glass transition temperature	-54 °C		
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SIZES / FINISHES			
Sizes:			
#10 x 1-1/2"	#12 x 2"	#12 x 3"	#12 x 4"
1/4" x 5"			
9/16" EPDM Washer :	yes	no	
Finish: Polymer Coated			



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