



## Redco™ TITANIUM

PROPERTY	TYPICAL VALUES	ASTM or UL TEST
<b>PHYSICAL</b>		
DENSITY, in <sup>3</sup> /lb	25.7	ASTM D 792
HARDNESS, ROCKWELL R SCALE	67	ASTM D 785
ABRASION INDEX (Relative to steel at 100)	7.5	Sand Slurry
<b>MECHANICAL</b>		
TENSILE PROPERTIES		ASTM D 638
MAXIMUM STRENGTH,		
MPa	36	
YIELD STRENGTH,		
MPa	19	
ELONGATION AT BREAK, %	400	
FLEXURAL MODULUS,		ASTM D 790
MPa	622	
IZOD IMPACT STRENGTH AT 23°C, KJ/m <sup>2</sup>		
NOTCHED	No Break	ASTM D 256A
DOUBLE NOTCHED	78	Internal
CO-EFFICIENT OF FRICTION AGAINST CR-PLATED STEEL AT 23°C		ASTM D 1894
STATIC	.12	
DYNAMIC	.10	
<b>ELECTRICAL</b>		
SURFACE RESISTIVITY, ohms	>10 <sup>16</sup>	ASTM D 257
VOLUME RESISTIVITY, ohms-in	>3.94 <sup>16</sup>	ASTM D 257
<b>TEMPERATURE</b>		
MEAN CO-EFFICIENT OF LINEAR THERMAL EXPANSION PER °C	1.6 x 10 <sup>-4</sup>	ASTM D 696
OPERATING TEMPERATURE		
MAXIMUM CONTINUOUS (°C)	82	

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