

# Our New Ramex® UHMW Only Comes In One Strength



## Strong.

THE ADDITION OF PERFORMANCE-ENHANCING  
ADDITIVES MAKES RAMEX® TITANIUM THE  
SLICKEST, STRONGEST AND TOUGHEST UHMW  
PRODUCT IN THE MARKETPLACE TODAY.

We have improved abrasion resistance and lowered  
friction properties making Ramex® Titanium the ultimate lining  
material. The formulation is UV stabilized for outdoor use. Ramex®  
Titanium is available in our complete range of sizes ... even down  
to 1/8" thick and as large as 60" X 144".

To learn more about this amazing product, give us a call.

800-541-4419

Fax: 704-922-7651



**RÖCHLING**  
Engineered Plastics

**SYMP LASTICS**



**RAMEX® ULTRA HIGH MOLECULAR WEIGHT — POLYETHYLENE**

**RAMEX® TITANIUM**  
**MODIFIED, UV STABILIZED UHMW-PE**

<u>PHYSICAL PROPERTIES</u>	<u>TYPICAL VALUES</u>	<u>TEST METHODS</u>
Density, g/cm <sup>3</sup>	0.93	ASTM D 792
Hardness, Rockwell R Scale	67	ASTM D 785
Recommended Operating Temperature Maximum Continuous, °F (°C)	180 (82)	
Tensile properties		ASTM D 638 2 in./min
Maximum strength, psi MPa	5,200 36	
Yield strength, psi MPa	2,800 19	
Elongation at break, %	400	
Flexural modulus, psi MPa	90,000 622	ASTM D 790
Izod impact strength at 23°C, ft-lbs/in <sup>2</sup> (kJ/m <sup>2</sup> )		
Notched	No break	ASTM D 256A
Double Notched	38 (784)	Internal
Mean coefficient of linear thermal expansion per °C	1.6 x 10 <sup>-4</sup>	ASTM D 696
Coefficient of friction against Cr-plated steel at 23°C		ASTM D 1894
Static	.12	
Dynamic	.10	
Abrasion Index (Relative to steel at 100)	7.5	Sand Slurry
Surface Resistivity, ohms	>10 <sup>16</sup>	ASTM D 257
Volume Resistivity, ohms-cm	>10 <sup>16</sup>	ASTM D 257

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