

# PRO-COAT U-BOLT™

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## TECHNICAL DATA

PROPERTY	TEST METHOD	TYPICAL PERFORMANCE
<b>PHYSICAL</b>		
Tensile Strength	ASTM D412, ISO 37	2100 psi (14.5 MPa)
Elongation	ASTM D412, ISO 37	550%
Elongation after Heat Aging (168 hr at 150°C)	ASTM D2671, ISO 37	500%
Heat Shock (4 hr at 225°C)	ASTM D2671	No cracking or flowing
Longitudinal Change	ASTM D2671	+1%, -10%
Low Temperature Flexibility (4 hr at -55°C)	ASTM D2671	No cracking
Specific Gravity	ASTM D792, ISO/R1183	1.1
Hardness (Shore D)	ASTM D2240	50D
<b>ELECTRICAL</b>		
Dielectric Strength	ASTM D149, IEC 243	500 V/mil (20 kV/mm)
Dielectric Voltage Withstand (2500 V, 60 Hz, 1 min)	UL 486D	No breakdown
Volume Resistivity	ASTM D257	10 <sup>16</sup> ohm-cm
<b>CHEMICAL</b>		
Fluid Resistance	MIL-DTL-23053/5, ISO 1817 and 37	Good to excellent
Fungus Resistance	ASTM G21	No growth
Copper Corrosion	ASTM D2671	No corrosion
Water Absorption	ASTM D570	0.1%
<b>ADHESIVE</b>		
Adhesive Lap Shear (1 in./min at 23°C)	ASTM D1002 (mod)	125 psi (0.875 MPa)
Adhesive Softening Point	ASTM E28	92°C ±5°C
Adhesive Peel Strength (300 mm/min at 23°C)	ASTM D1000	35 pli 20 pli
<ul style="list-style-type: none"> <li>• to steel, aluminum, PE</li> <li>• PVC</li> </ul>		
Adhesive Blocking (30°C)	ASTM D1146	No blocking
Water Penetration	STM 706	No penetration after 286 hr of continuous immersion