

Kor-N-Seal® Product Line

Technical Specifications

PERFORMANCE

Performed on all standard sizes of Kor-N-Seal Connectors.

Test	ASTM Method	Test Requirements	Kor-N-Seal Products
Head Pressure	C923 - 7.1	0° - 13 psi (30 ft) for 10 min.	+13 psi for 10 min.
		7° - 10 psi (23 ft) for 10 min.	+10 psi for 10 min.
Deflection Test	C923 - 7.2.2	7° in any direction	Over 7° in any direction
Load Test	C923 - 7.2.3	150 lbs/in. pipe dia.	Over 150 lbs/in. pipe dia.

RESILIENT RUBBER MATERIAL

Conforms to ASTM C923

Test	ASTM Method	Test Requirements	Kor-N-Seal Products
Chemical Resistance	D543, at 22°C for 48 h		
1 N Sulfuric Acid		No weight loss	No weight loss
1 N Hydrochloric Acid		No weight loss	No weight loss
Tensile Strength	D412	1200 psi	1580 psi
Elongation at Break		350% min.	500%
Hardness	D2240 (shore A durometer)	± 5 from the manufacturer's specified hardness	48 ± 5
Accelerated Oven-Aging	D573 70 ± 1°C for 7 days	Decrease of 15%, max. of original tensile strength, decrease of 20% max. of elongation	10.1% tensile decrease 14% elongation decrease
Compression Set	D395, method B, at 70°C for 22h	Decrease of 25%, max. of original deflection	13% decrease
Water Absorption	D471, immerse 0.75 by 2-in. specimen in distilled water at 70°C for 48 h	Increase of 10%, max. of original by weight	.8% increase
Ozone Resistance	D1171	Rating 0	Rating 0
Low-temperature Brittle Point	D746	No fracture at -40°C	No fracture at -40°C
Tear Resistance	D624, method B	200 lbf/in.	No tear at 210 lbf/in.

300 SERIES STAINLESS STEEL

Conforms to ASTM C923, ASTM A666, and A240

Test	Kor-N-Seal Products
Tensile Strength	75,000 psi
Yield Strength (min.)	30,000 psi
Elongation in 2" (min. %)	40%
Hardness Rockwell "B"	95

