



RUBBER PROPERTIES

for Mission Rubber Products Conforming to ASTM C564

BAND-SEAL® End Caps

BAND-SEAL® End Caps w/Hose Bibb

BAND-SEAL® Specialty Couplings

EZ-TEST® Couplings

HEAVYWEIGHT Couplings

NO HUB Couplings

SERVICE WEIGHT Gaskets

VENT CAP™

TEST REQUIREMENTS

STANDARD SPECIFICATION FOR FLEXIBLE TRANSITION COUPLINGS FOR UNDERGROUND PIPING SYSTEMS

ELASTOMERIC MATERIALS		
Properties	Physical Requirements	ASTM Test Method
Hardness, Nominal Shore "A" Durometer <i>(as specified by the coupling manufacturer)</i>	50 - 75	D2240
Hardness, Nominal Shore "D" Durometer <i>(as specified by the coupling manufacturer)</i>	35 - 45	D2240
Tensile Strength, min psi (kPa)	1000 (6894)	D412, Die C, Fig. 2 or D638
Elongation at rupture, min, %	200	D412, Die C, Fig. 2 or D638
Heat Aging, 70 h, 158 ± 3.6°F (70 ± 2°C)		D573 or D3045
Hardness increase, max Durometer points	10	
Change in Tensile Strength, max, %	25	
Change in Elongation, max, %	35	
Ozone Resistance	No cracks	D1149
At 20% Elongation For 100 h at 104 ± 3.6°F (40 ± 2°C) With 50 parts per 100 million Water absorption, weight gain, %, max	20	D471
Chemical Resistance, 48 h, 74 ± 3.6°F (23 ± 2°C)	No weight loss	D543
STAINLESS STEEL MATERIALS		
Properties	Physical Requirements	ASTM Test Method
Torque Resistance, 60 in.-lb (6.8 Nm)	No failure	9.2 of C1173
Manufacturers required Torque Resistance	No failure	9.2 of C1173
JOINT ASSEMBLIES		
Properties	Physical Requirements	ASTM Test Method
Deflection Resistance 4.3 psi (30 kPa)	2	9.3.1 of C1173
Shear Loading Resistance <i>(optional)</i>	3	9.3.2 of C1173