



# RUBBER PROPERTIES

*for Mission Rubber Products Conforming to ASTM C1173*

**EASTERN STANDARD** *Sewer Couplings*

**FLEX-SEAL® ARC** *Shielded Adjustable Repair Sewer Couplings*

**FLEX-SEAL® CORRUGATED** *Couplings*

**FLEX-SEAL® CORRUGATED** *Transition Couplings*

**FLEX-SEAL® CUSTOM** *Large Diameter Couplings*

**FLEX-SEAL® MR56 EXP SERIES** *Couplings*

**FLEX-SEAL® UNSHIELDED** *Sewer Couplings*

**MISSION STANDARD "CALDER STYLE"** *Sewer Couplings*

**POLLY TEE®** *Service Connectors*

**SNUGGA®** *Couplings*

**T-FLEX®** *Sewer Saddles*

**TWISTEE®** *Tapping Saddles*

# TEST REQUIREMENTS

STANDARD SPECIFICATION FOR RUBBER GASKETS FOR CAST IRON SOIL PIPE AND FITTINGS

ELASTOMERIC MATERIALS		
Properties	Physical Requirements	ASTM Test Method
Hardness, Nominal Durometer $\pm 5$ <i>(as specified by the pipe manufacturer)</i>	70	D2240
Tensile Strength, min psi (MPa)	10	D412
Tear Strength, min, N/cm (lbf/in.)	268 (150)	D624
Elongation, min, %	250	D412
Heat Aging, 96 h at $70 \pm 1^\circ\text{C}$ ( $158 \pm 2^\circ\text{F}$ ):		D573
Hardness increase, max Durometer points	10	
Loss in Tensile Strength, max, %	15	
Loss in Elongation, max, %	20	
Water Absorption: weight increase, max, %	20	D471
Ozone Resistance	No cracks	D1149
Oil Immersion, volume increase, max, %	80	D471