

Chlorine Resistance Testing

Chlorine Resistance Testing			
Aqua-Flex Porous Samples			
6 inch by 6 inch by 0.50 inch thick samples			
Exposure			
Immersed in 2% (20,000ppm) sodium hypochlorite solution			
		45 Days Exposure	14 Days Exposure
			Samples severely degraded after 30 days
			too weak to be tested
Results		Aqua-Flex Porous	EPDM
Tensile strength before exposure	(PSI)	122	90
Tensile strength after exposure	(PSI)	122	53
Tensile elongation before exposure	(%)	48	62
Tensile strength after exposure	(%)	47	31
Appearance after exposure		no visible change in color or gloss	severe fading of color and loss of gloss
Toughness after exposure		unchanged elasticity	loss of elasticity breaks easily