



EUROPE SEALS BV

Multi Approval (Drinking) Water Compound

- **Material:** EP70A9OF (EPDM 70 Peroxide Cured,
- NSF 61, KTW, Wras WRC EN 681-1, W534, W270 Approved , FDA compliance)
- **ASTM specification:** M4CA710 A25 B35 C32 EA14 F19 G21 Z1 Z2

	Required	Result	Method
Original Properties			
Hardness: Shore A durometer	70+/-5	74	ASTM D2240
Tensile strength, min, psi	1450	1965	ASTM D412
Z1 Ultimate elongation, min. %	150	213	ASTM D412
Modulus at 100%, psi		807	ASTM D412
Specific Gravity		1.13	ASTN D297
A25 Heat aged properties 70 hrs @ 125 deg C			ASTM D865
Hardness change, Shore A durometer	+10 max	+2	
Tensile strength, Change, %	-20 max	+6.5	
Ultimate elongation, Change, %	-40 max	-8.0	
B35 Compression Set, Method B, 22hrs @125 deg C, Deflection 25%, max., plied specimen	70	13.1	ASTM D395
Z2 Compression Set, Method B, 22hrs @ 125 deg C, Deflection 25%, AS568-220 O-Ring		19.8	ASTM D395
C32 Ozone Resistance, Method D, 50pphm, 70hrs @ 40 deg C	No Crack	No Crack	ASTM D1171
EA14 Water Resistance, 70 hrs @ 100 deg C			ASTM D471
Volume change, %	+/-5	+1	
F19 Low Temperature Brittleness, Method A, 9.3.2, No Brittle after 3min. @ -55 deg. C	Pass	Pass	ASTM D2137
G21 Tear Resistance, Die C, min, kN/m	26	27.4	ASTM D624

(2004/07/13/kl)