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ANNUAL MATERIAL REPORT

December, 2013

COMPOUND ID: EJ583-70 **MATERIAL:** EPDM, Black

MEETS ASTM: M4AA710 A13 B13 B33 EA14
M3BA710 A14 B13
M4CA710 A25 B35 EA14 G11
M3DA710 A26 B36 EA14 G11 G21

ALSO MEETS: NSF Std 61 Approved

ORIGINAL PHYSICALS	ASTM D2000	ASTM Method	M4AA SPEC	M3BA SPEC	M4CA SPEC	M3DA SPEC	RESULT
Durometer (Shore A)		D2240	70+/-5	70+/-5	70+/-5	70+/-5	66
Tensile (psi)		D412	1450	1450	1450	1450	1944
Elongation (%)		D412	250	250	200	200	400
100% Modulus (psi)		D412	N/R	N/R	N/R	N/R	392
Specific Gravity		D297	N/R	N/R	N/R	N/R	1.15
HEAT RESISTANCE 70 h @ 70 C	A13	D573					
Durometer Δ (pts)			10				3
Tensile Δ (%)			-25				8
Elongation Δ (%)			-25				9
HEAT RESISTANCE 70 h @ 100 C	A14	D573					
Durometer Δ (pts)				10			4
Tensile Δ (%)				-25			10
Elongation Δ (%)				-25			5
HEAT RESISTANCE 70 h @ 125 C	A25	D573					
Durometer Δ (pts)					10		4
Tensile Δ (%)					-20		8
Elongation Δ (%)					-40		-3
HEAT RESISTANCE 70 h @ 150 C	A26	D573					
Durometer Δ (pts)						10	6
Tensile Δ (%)						-20	9
Elongation Δ (%)						-20	-14
COMPRESSION SET (%) 22 h @ 70 C		D395					
22 h @ 70 C	B13		25	25			10
22 h @ 125 C	B33		35				10
22 h @ 150 C	B35				70		10
	B36					25	15

FLUID AGE, WATER

EA14 D471

70 h @ 100 C

Volume Δ (%)	10	+/-5	+/-5	1
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TEAR RESISTANCE

D624

Die B (kN/m)	G11	26	17	37
Die C (kN/m)	G21		17	24

Unless otherwise noted, these are test values from a limited number of samples and should not be used for establishing specification limits.