


CS: 4.50 mm  $\pm 0.10$  mm (0.177"  $\pm 0.004$ ")  
ID: 12.00 mm  $\pm 0.19$  mm (0.472"  $\pm 0.007$ ")

 <b>GLOBAL O-RING</b> and SEAL ALL-AROUND BETTER	PART NUMBER <b>N4.50X012</b>
14450 John F. Kennedy Blvd. Houston, TX 77032 <a href="http://www.globaloring.com">www.globaloring.com</a>	Nitrile 70 Duro Metric O-Ring 4.50 mm CS X 12.00 mm ID
Information in this drawing is provided for reference only	

<b>Compound</b>	N70-A101	Nitrile (Buna), General Purpose
	Temperature Range (Static)	-30°C to 121°C
	Specification:	M2BG714 A14 B14 EF11 EF21 EO14 EO34

Compound Previously Known As: N70101

		Required Results	Typical Results
<b>Properties</b>	Hardness, (Shore A)	70±5	70
	Tensile Strength, psi(MPa)	2031(min)	2547
	Elongation, (%)	250(min)	288
	Modulus at 100%, psi(MPa)		816
	Density, (Mg/m <sup>3</sup> )		1.24
<b>A14</b>	Hardness Change, pts.	±15	+5
	Tensile Strength Change, %	±30	+14
	Elongation Change, %	-50(max)	-13
	Weight Change, %		-1.1
<b>B14</b>	-	25%(button)(max)	13
<b>EF11</b>	Hardness Change, pts.	±10	-4
	Tensile Strength Change, %	-25(max)	-22
	Elongation Change, %	-25(max)	-8
	Volume Change, %	-5~+10	+3
<b>EF21</b>	Hardness Change, pts.	-30~0	-9
	Tensile Strength Change, %	-60(max)	-18
	Elongation Change, %	-60(max)	-21
	Volume Change, %	0~+40	+12
<b>EO14</b>	Hardness Change, pts.	-5~+10	+3
	Tensile Strength Change, %	-25(max)	+6
	Elongation Change, %	-45(max)	-18
	Volume Change, %	-10~+5	-4
<b>EO34</b>	Hardness Change, pts.	-10~+5	-3
	Tensile Strength Change, %	-45(max)	+5
	Elongation Change, %	-45(max)	-20
	Volume Change, %	0~+25	+10