



# Parker-Asun Sealing Company

A World Class Leader in Sealing Technology

## Test Report on Compound E1512-70 to M3DA 710 A26 B36 EA14 F19 G11 G21 Z1

Z1 = Elongation at Break = 150% min

Z2 = Compression Set on O-Rings: 70 hrs @ 150°C

	Compound E1512-70	Spec.
<b>Originals</b>		
Hardness, Durometer, Shore 'A', points	72	70 +/- 5
Tensile Strength, Mpa	13.3	10 min
Elongation, % (Z1)	205	150 min
<b>Heat Aged 70 hrs @ 150°C</b>		
Change in Hardness, pts	+2	+10 max
Change in Tensile Strength, %	-10	-20 max
Change in Elongation, %	+7	-20 max
<b>Compression Set 22 hrs @ 150°C</b>		
Compression Set, % (Plied Slabs)	10	25 max
<b>Compression Set 70 hrs @ 150°C on O-Rings (Z2)</b>		
1.78 mm C/S	34	45 max
2.62 mm C/S	34	45 max
3.53 mm C/S	32	45 max
5.33 mm C/S	32	45 max
<b>Aging in Distilled Water 70 hrs @ 100°C</b>		
Change in Volume, %	+4.8	+/- 5
<b>Tear Strength</b>		
Die 'B' (kN/m)	33	17 min
Die 'C' (kN/m)	25	17 min
<b>Low Temperature Brittleness</b>		
Non-Brittle after 3 min @ -55 C	Pass	Pass
<b>Chloramine resistance: 50 ppm Chloramine Solution Aged (Masco D6284) @ 70°C for 3 weeks **</b>		
Change in Volume, %	6	record
Change in Hardness, pts	0.4	record
<b>Chloramine resistance: 50 ppm Chloramine Solution Aged (ASTM D6284) using 25x50x1.02 mm test slab @ 70°C for 8 weeks **</b>		
Change in Volume, %	24	record
Change in Hardness, pts	-5	record
<b>Chlorine resistance: 50 ppm Chlorine Solution Aged (ASTM D6284) using 25x50x1.02 mm test slab @ 70°C for 8 weeks **</b>		
Change in Volume, %	16.8	record
Change in Hardness, pts	-4.6	record

\*\* Testing performed by third party

TESTS PERFORMED ON ASTM TYPE SPECIMEN  
VALUES MAY BE DIFFERENT FOR OTHER TYPE SPECIMEN

Apr-07