

**WSI Compound : V90-BRW**
**TEST REPORT**

Typical properties of cured compound

 Material : FKM 90  
 Color : Brown

Date issued : July 2016

 Spec: **ASTM D2000 M3HK910 A1-10 B38 EF31 EO78**

Physical properties	Result	Spec.	ASTM Method
Hardness, Shore A (Type M)	88	90 ± 5	D 2240-10
Tensile Strength, min, MPa	14.3	10	D 412-13
Elongation, min, %	114	100	D 412-13
<b>A1-10 Heat Resistance, 70 hrs at 250°C</b>			<b>D 573-10</b>
Hardness Change, max, points	+2	+10	
Tensile Change, max, %	+1	-25	
Elongation Change, max, %	-4	-25	
<b>B38 Compression Set, Method B</b>			<b>D 395-08</b>
22 hrs at 200°C, max, %	15	50	
<b>Basic IRM 903 Oil Resistance, 70hrs at 150°C</b>			<b>D 471-12a</b>
Volume Change, %	+4	+10	
<b>EF31 Fuel C Resistance, 70 hrs at 23°C</b>			<b>D 471-12a</b>
Hardness Change, points	-3	±5	
Tensile Change, max, %	-19	-25	
Elongation Change, max, %	-11	-20	
Volume Change, %	+4	0 to +10	
<b>EO78 Fluid No.101 Resistance, 70hrs at 200°C</b>			<b>D 471-12a</b>
Hardness Change, points	-5	-15 to +5	
Tensile Change, max, %	-27	-40	
Elongation Change, max, %	-8	-20	
Volume Change, %	+9	0 to +15	

The above data is obtained through laboratory testing on slabs and buttons, and is for reference only.

Approved by

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 R&D Manager

Reported by

 Ms Hong  
 R&D Quality staff