

WSI Compound : V90
TEST REPORT

Typical properties of cured compound

 Material : FKM 90
 Color : Black

Date issued : July 2016

 Spec: **ASTM D2000 M2HK910 A1-10 B38 EF31 EO78**

Physical properties	Result	Spec.	ASTM Method
Hardness, Shore A (Type M)	90	90 ± 5	D 2240-10
Tensile Strength, min, MPa	13.9	10	D 412-13
Elongation, min, %	138	100	D 412-13
A1-10 Heat Resistance, 70 hrs at 250°C			D 573-10
Hardness Change, max, points	+3	+10	
Tensile Change, max, %	+5	-25	
Elongation Change, max, %	-10	-25	
B38 Compression Set, Method B			D 395-08
22 hrs at 200°C, max, %	14	50	
Basic IRM 903 Oil Resistance, 70hrs at 150°C			D 471-12a
Volume Change, %	+3	+10	
EF31 Fuel C Resistance, 70 hrs at 23°C			D 471-12a
Hardness Change, points	-3	±5	
Tensile Change, max, %	-11	-25	
Elongation Change, max, %	-8	-20	
Volume Change, %	+2	0 to +10	
EO78 Fluid No.101 Resistance, 70hrs at 200°C			D 471-12a
Hardness Change, points	-7	-15 to +5	
Tensile Change, max, %	-14	-40	
Elongation Change, max, %	-17	-20	
Volume Change, %	+12	0 to +15	

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

Approved by

 Du Gow Shyan
 R&D Manager

Reported by

 Ms Hong
 R&D Quality staff