WHOLESEAL INTERNATIONAL

VILAS 769

WSI Compound : N90

TEST REPORT

Typical properties of cured compound

Material : NBR 90 **Date issued : June 2016**
Color : Black

Spec: ASTM D2000 M4CH910 B14 EO15 EO35 Z1

	Physical properties	Result	Spec.	ASTM Method
	Hardness, Shore A (Type M)	86	90±5	D 2240-10
	Tensile Strength, min, MPa (psi)	16.2(2349)	10.0(1450)	D 412-13
	Elongation, min, %	192	100	D 412-13
Basic	Heat Resistance, 70 hrs at 125°C			D 573-10
	Hardness Change, max, points	+5	±15	
	Tensile Change, max, %	+4	±30	
	Elongation Change, max, %	-37	-50	
B14	Compression Set, Method B			D 395-08
	22 hrs at 100°C, max, %	12	25	
EO15	IRM 901 Oil Resistance, 70hrs at 125°C			D 471-12a
	Hardness Change, points	+3	0 to +10	
	Tensile Change, max, %	-2	-20	
	Elongation Change, max, %	-29	-35	
	Volume Change, %	-4	-15 to +5	
EO35	IRM 903 Oil Resistance, 70hrs at 125°C			D 471-12a
	Hardness Change, points	-3	±10	
	Tensile Change, max, %	+4	-15	
	Elongation Change, max, %	-18	-30	
	Volume Change, %	+8	0 to +25	
Z1	Retraction at Lower Temperature Resistance			D 1329
	51mm die, 50% elongation, °C	-21		

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