

**WSI Compound : N70-FDA**
**TEST REPORT**

Typical properties of cured compound

 Material : NBR 70, FDA  
 Color : Black

Date issued : June 2016

 Spec: **ASTM D2000 M2BG714 B14 B34 EO14 EO34 Z1**

Physical properties	Result	Spec.	ASTM Method
Hardness, Shore A (Type M)	67	70 ± 5	D 2240-10
Tensile Strength, min, MPa	14.6	14	D 412-13
Elongation, min, %	410	250	D 412-13
Modulus at 100% elongation, Mpa	2.7	Report	D 412-13
<b>Basic Heat Resistance, 70 hrs at 100°C</b>			<b>D 573-10</b>
Hardness Change, max, points	+5	± 15	
Tensile Change, max, %	+2	± 30	
Elongation Change, max, %	-9	-50	
<b>B14 Compression Set, Method B</b>			<b>D 395-08</b>
22 hrs at 100°C, max, %	16	25	
<b>EO14 IRM 901 Oil Resistance, 70hrs at 100°C</b>			<b>D 471-12a</b>
Hardness Change, points	+3	-5 to +10	
Tensile Change, max, %	-11	-25	
Elongation Change, max, %	-8	-45	
Volume Change, %	-7	-10 to +5	
<b>EO34 IRM 903 Oil Resistance, 70hrs at 100°C</b>			<b>D 471-12a</b>
Hardness Change, points	-3	-10 to +5	
Tensile Change, max, %	-24	-45	
Elongation Change, max, %	-12	-45	
Volume Change, %	+4	0 to +25	
<b>Z1 FDA Compliant 21 CFR177.2600</b>			

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