



苏州福盛橡胶制品有限公司
Fusheng Rubber Products Co., Ltd.

- Material Report -

Compound (品名): NBR 70 in Black		ASTM D2000 M2 BG714 A14 B14 EO14 EO34 EA14 F17		
Test Item (测试项目)	Unit (单位)	SPEC (规范)	Test Method (测试方法)	Result (实测值)
Original Properties 常规试验				
Shore A hardness (硬度)	Points	70±5	D2240	72
Tensile strength (扯断强度)	Min, Mpa	14	D412	15.8
Elongation (扯断伸长率)	Min, %	250	D412	283.5
A14 Heat Resistance (热老化测试), 70h@100°C				
Change in Hardness (硬度变化)	Max, Points	-	D573	+5.8
Change in Tensile strength (扯断强度变化)	Max, %	-	D573	+8.2
Change in Elongation (扯断伸长率变化)	Max, %	-	D573	-15.7
B14 Compression Set (压缩永久变形)				
22h@100°C	Max, %	25	D395, Method B	13.7
EO14 Fluid Resistance, IRM901 Oil (耐IRM901油测试), 70h@100°C				
Change in Hardness (硬度变化)	Points	-5 ~ +10	D471	+6.1
Change in Tensile strength (扯断强度变化)	Max, %	-25	D471	+8.9
Change in Elongation (扯断伸长率变化)	Max, %	-45	D471	-10.3
Change in Volume change(体积变化)	%	-10 ~ +5	D471	-7.1
EO34 Fluid Resistance, IRM903 Oil (耐IRM903油测试), 70h@100°C				
Change in Hardness (硬度变化)	Points	-10 ~ +5	D471	-3.5
Change in Tensile strength (扯断强度变化)	Max, %	-45	D471	+3.9
Change in Elongation (扯断伸长率变化)	Max, %	-45	D471	-3.6
Change in Volume change(体积变化)	%	0 ~ +25	D471	+5.9
EA14 Watet Resistance (耐水测试), 70h@100°C				
Change in Hardness (硬度变化)	Points	±10	D471	-2
Change in Volume change(体积变化)	%	±15	D471	+7.5
F17 Low-temperature resistance (低温脆性)				
Nonbrittle aftet 3 min@-40°C	°C	Pass	D2137, Method C, 9.3.3	Pass
Press cure 一段硫化		Post cure 二段硫化		
Test Slab 试片 170°C×5Min		Test Slab 试片 120°C×1H		
Test Button 试扣 170°C×10Min		Test Button 试扣 120°C×1H		