



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

- Material Report -

Compound (品名) : NBR 90 in Black		ASTM D2000 M2 BG910 A14 B14 EO14 EO34 EA14		
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	90±5	D2240	89
Tensile strength (扯断强度)	Min, Mpa	10	D412	14.3
Elongation (扯断伸长率)	Min, %	100	D412	157
A14 Heat Resistance (热老化测试), 70h@100°C				
Change in Hardness (硬度变化)	Max, Points	-	D573	+2
Change in Tensile strength (扯断强度变化)	Max, %	-	D573	+1.5
Change in Elongation (扯断伸长率变化)	Max, %	-	D573	-17.8
B14 Compression Set (压缩永久变形)				
22h@100°C	Max, %	25	D395, Method B	16
EO14 Fluid Resistance, IRM901 Oil (耐IRM901油测试), 70h@100°C				
Change in Hardness (硬度变化)	Points	-5 ~ +10	D471	3
Change in Tensile strength (扯断强度变化)	Max, %	-25	D471	-2.9
Change in Elongation (扯断伸长率变化)	Max, %	-45	D471	-31.5
Change in Volume change (体积变化)	%	-10 ~ +5	D471	-3.1
EO34 Fluid Resistance, IRM903 Oil (耐IRM903油测试), 70h@100°C				
Change in Hardness (硬度变化)	Points	-10 ~ +5	D471	-1.9
Change in Tensile strength (扯断强度变化)	Max, %	-45	D471	-19.5
Change in Elongation (扯断伸长率变化)	Max, %	-45	D471	-39.7
Change in Volume change (体积变化)	%	0 ~ +25	D471	+8.5
EA14 Watet Resistance (耐水测试), 70h@100°C				
Change in Hardness (硬度变化)	Points	±10	D471	-3
Change in Volume change (体积变化)	%	±15	D471	+4.7
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		