



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

- Material Report -

| | | | | |
|---|-------------|-------------------------------------|------------------------|----------------|
| Compound (品名) : EPDM 70 in Black | | ASTM D2000 M5 BA710 A14 B13 C12 F17 | | |
| Test Item (测试项目) | Unit (单位) | SPEC (规范) | Test Method (测试方法) | Result (实测值) |
| Physical Properties 常规试验 | | | | |
| Shore A hardness (硬度) | Points | 70±5 | D2240 | 71 |
| Tensile strength (扯断强度) | Min, Mpa | 10 | D412 | 12.9 |
| Elongation (扯断伸长率) | Min, % | 250 | D412 | 318 |
| A14 Heat Resistance (热老化测试), 70h@100°C | | | | |
| Change in Hardness (硬度变化) | Max, Points | +10 | D573 | +3.5 |
| Change in Tensile strength (扯断强度变化) | Max, % | -25 | D573 | +1 |
| Change in Elongation (扯断伸长率变化) | Max, % | -25 | D573 | -18 |
| B13 Compression Set (压缩永久变形) | | | | |
| 22h@70°C | Max, % | 25 | D395, Method B | 21 |
| C12 Resistance to Ozone (臭氧测试) | | | | |
| 50pphm, 70h@40°C | Min, % | 100 | D1171 | No Crack (100) |
| F17 Low-temperature resistance (低温脆性) | | | | |
| Nonbrittle after 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 5 min@170°C | | Test Slab 试片 1h@120°C | | |
| Test Button 试扣 10 min@170°C | | Test Button 试扣 1h@120°C | | |