

TAIPOL



POLYMER DATA

丁苯橡胶 SBR 1763

聚合体系 : 低温乳液聚合 (Polymerization system – Cold polymerised emulsion)
 乳化剂 : 混合酸皂 (Emulsifier – Mixed acid soap)
 抗氧化剂 : 深色 (Stabilizer – Staining)
 凝聚剂 : 酸 (Coagulant – Acid)
 填充油 : 重质环烷油; 37.5 份 (phr); BaP \leq 1mg/kg、Sum of 8 PAHs \leq 10mg/kg (EN16143)。

Extender –Heavy-NAP Low PCA oil, 37.5phr, BaP \leq 1mg/kg、Sum of 8 PAHs \leq 10mg/kg (EN16143)

产品特性 : 适用深色橡胶制品, 加工性佳, 具有良好的物理性质, 耐磨耗性佳。通过德国 DIK 检测, 亚硝胺类化合物含量低于安全允许标准值。

Characteristics – Superior Processing. Free from nitroting agents and free from pre-formed nitrosamines.

用途 : 轮胎、输送带、橡胶管及其它一般深色工业制品。

Application – Tires, tread rubbers, molded and extruded goods, automotive mechanical goods.

| 生胶检测项目 POLYMER PROPERTIES | 指标 (Specification Values) | | 试验方法 Test Method |
|---|---------------------------|------------|--------------------------|
| | 最小值 (Min.) | 最大值 (Max.) | |
| 结合苯乙烯 (Bound styrene), % | 22.5 | 24.5 | ASTM D5775 (GB/T 8658) |
| 挥发分 (Volatile matter), % | — | 0.50 | ASTM D5668 (GB/T 24131) |
| 灰分 (Ash), % | — | 0.40 | ASTM D5667 (GB/T 4498) |
| 皂 (Soap), % | — | 0.50 | ASTM D5774 (GB/T 8657) |
| 有机酸 (Organic acid), % | 3.90 | 5.70 | ASTM D5774 (GB/T 8657) |
| 油含量 (Oil), % | 25.3 | 29.3 | ASTM D5774 (SH/T 1718) |
| 生胶门尼粘度 ^A , 过辊法 | 44 | 54 | ASTM D1646 (GB/T 1232.1) |
| Mooney viscosity ^A , $ML_{1+4}^{100^\circ\text{C}}$, Massed | | | |

混炼胶及硫化胶检测项目 (COMPOUND PROPERTIES)

| 硫化温度: 145°C (Cured at 145°C) | 指标 (Specification Values) | | | 试验方法 |
|--|---------------------------|------------|------------|----------------------|
| | (分钟 min.) | 最小值 (Min.) | 最大值 (Max.) | |
| 拉伸强度 (Tensile strength), MPa (kg/cm ²) | 35 | 17.6 (180) | — | ASTM D412 (GB/T 528) |
| 伸长率 (Elongation), % | 35 | 420 | — | ASTM D412 (GB/T 528) |
| 300%定伸应力 (Modulus), MPa (kg/cm ²) | 25 | 7.4 (75) | 11.3 (115) | ASTM D412 (GB/T 528) |
| | 35 | 10.3 (105) | 14.2 (145) | ASTM D412 (GB/T 528) |
| | 50 | 11.3 (115) | 15.2 (155) | ASTM D412 (GB/T 528) |

实验配方 (Test Recipe with ASTM D-3185)

| 实验配方 (Test Recipe with ASTM D-3185) | 组分 (Parts) |
|-------------------------------------|------------|
| Taipol SBR 1763 | 137.50 |
| 氧化锌 (Zinc oxide) ^B | 3.00 |
| 硬酯酸 (Stearic acid) ^B | 1.00 |
| 硫黄 (Sulfur) ^B | 1.75 |
| 高耐磨炉黑 (HAF black IRB#8) | 68.75 |
| TBBS ^B | 1.38 |
| 总计 (Total) | 213.38 |

包装 (Packaging) : 胶块用聚乙烯薄膜包封。
 Rubber block with polyethylene film.
 每块净重 35.0 \pm 0.25 kg。
 Net weight 35.0 \pm 0.25 kg per paperbag.

^A GB/T15340 之过辊法: 样品量 250 \pm 5g、辊温 50 \pm 5°C、辊距 1.4 \pm 0.1mm、过辊十次 (第一、十次不对折)。

^A The Sample is mill massed, pass 250 \pm 5g of the sample between the rolls having a roll temperature of 50 \pm 5°C and having a distance between the rolls of 1.4 \pm 0.1mm, having a total of ten passes with the first and tenth unfold.

^B 使用当前的 IRM-SRM 药品或等效药品。

^B Use Current IRM/SRM or the equivalent chemicals.