

产品说明书

Product Data Sheet



丁腈橡胶TAIPOL® 8052

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| 产品描述 | 丁二烯与丙烯腈低温聚合的非污染型共聚物。 |
| Product Description | Butadiene-acrylonitrile copolymer, cold polymerized, non-staining stabilized. |
| 产品特性 | 具有优良的加工性能且环保。 |
| Characteristics | Superior processing, Eco-Friendly. |
| 用途 | 油管、垫片、滚筒、鞋类、发泡制品、压出制品及汽车机械制品。 |
| Application | Oil hose, packing, roller, shoe sole, foaming and extruded goods, automotive mechanical goods. |

产品性能 (Polymer Properties)

| 性能 Property | 单位 Unit | 规格 Specification | 检测方法 Test Method |
|--|------------|---------------------|----------------------------------|
| 生胶门尼粘度 ML (1+4) 100°C, Raw Mooney, ML (1+4) 100°C | MU | 56±6 | ISO289/ASTM D1646 (过辊 massed) |
| 结合丙烯腈含量 (AN Content) | % | 35.0±1.5 | ISO 24698-1 |
| 挥发份 (Volatile matter) | % | 1.0max | ISO 248/ASTM D5668 |
| 总灰分 (Total Ash) | % | 1.5max | ISO 247/ASTM D5667 |

硫变性 (Cure Characteristics)

测试配方依据 ISO 4658 (6"开炼机混炼, 采用标准工业参比炭黑 IRB8#), 无转子硫化仪; 温度 160°C; 微型模腔; 振幅 ±0.5°; 时间 30 分钟; 无预热。

Test formulation according to ISO 4658 (6" mill mixing; based on IRB8#). MDR 160°C, micro-dies, ±0.5° arc, 30 min running time, no preheat.

| | | 典型值 Typical | |
|---|---|----------------|-----------------------|
| 最小转矩 (Minimum torque, M_L) | dN·m | 1.9 | ISO 6502 / ASTM D5289 |
| 测试 30 分钟后达到的转矩值 (Torque value attained after 30 min, M_H) | dN·m | 17.6 | ISO 6502 / ASTM D5289 |
| 超过 M_L 之后, 转矩增加 1 个单位的时间 (Scorch time, t_{s1}) | min | 2.8 | ISO 6502 / ASTM D5289 |
| 达到最大转矩的 90% 的硫化时间 (Time to a 90% of full cure from M_L , t'_{90}) | min | 9.0 | ISO 6502 / ASTM D5289 |
| 包装 (Packing) | 25kg/包, 胶块用 PE 膜包裹 (PE 膜熔点 110°C max.) 25kg bales wrapped in dispersible PE film (PE film melting point 110°C max.) | | |
| 保质期 (Shelf life) | 不超过 35°C 的干燥条件下, 避免光照, 从生产日期起算, 保质期为 24 个月。 24 months from date of production at temperatures not exceeding 35°C in dry conditions; exposure to light has to be avoided. | | |
| 产品安全性 (Product Safety) | 重要的安全信息和参考资料及可能需要的警示标签都能在安全资料表中找到。 Relevant safety data and references as well as the possibly necessary warning labels are to be found in the safety data sheet. | | |