

# Desmopan 1045D

100 品级系列, 酯类 / 邵氏硬度 D 45 - 49

injection molding grade; hydrolysis-stabilised; high mechanical strength; very short cycle times; Injection molded engineering parts; Ear-tags; Shoe heels

| 性能                           | 测试条件         | 单位                | 标准                      | 数值                          |          |      |
|------------------------------|--------------|-------------------|-------------------------|-----------------------------|----------|------|
|                              |              |                   |                         | drying                      | annealed | -    |
|                              |              |                   |                         | according to specifications |          |      |
| <b>机械性能</b>                  |              |                   |                         |                             |          |      |
| C 邵氏硬度 D                     | 1s           | -                 | DIN ISO 7619-1          |                             | 46       |      |
| C 最终拉伸强度                     | 200 mm/min   | MPa               | DIN 53504               |                             | 51       |      |
| C 断裂应变                       | 200 mm/min   | %                 | DIN 53504               |                             | 530      |      |
| C 10% 应变时的应力                 | 200 mm/min   | MPa               | DIN 53504               |                             | 7.1      |      |
| C 100% 应变时的应力                | 200 mm/min   | MPa               | DIN 53504               |                             | 12.3     |      |
| C 300% 应变时的应力                | 200 mm/min   | MPa               | DIN 53504               |                             | 23       |      |
| C 压缩率                        | 24 h; 70 ° C | %                 | DIN ISO 815-1, Method A |                             | 39       |      |
| C 压缩率                        | 72 h; 23 ° C | %                 | DIN ISO 815-1           |                             | 24       |      |
| C 压缩率                        | 24 h; 70 ° C | %                 | DIN ISO 815-1, Method C |                             | 25       |      |
| C 耐磨性                        |              | mm <sup>3</sup>   | ISO 4649 method A       |                             | 11       |      |
| C 回弹力                        |              | %                 | ISO 4662                |                             | 40       |      |
| C 撕裂强度                       | 500 mm/min   | kN/m              | ISO 34-1                |                             | 120      |      |
| <b>热性质</b>                   |              |                   |                         |                             |          |      |
| C 拉伸储能模量                     | -20 ° C      | MPa               | ISO 6721-1, -4          |                             | 710      |      |
| C 拉伸储能模量                     | 20 ° C       | MPa               | ISO 6721-1, -4          |                             | 120      |      |
| C 拉伸储能模量                     | 80 ° C       | MPa               | ISO 6721-1, -4          |                             | 50       |      |
| <b>其他性能 (23 ° C)</b>         |              |                   |                         |                             |          |      |
| C 密度                         |              | kg/m <sup>3</sup> | ISO 1183-1              |                             |          | 1220 |
| <b>建议成型工艺参数说明:</b>           |              |                   |                         |                             |          |      |
| C 注塑-熔体温度                    |              | °C                | -                       | 210 - 230                   |          |      |
| C 注塑-模具温度                    |              | °C                | -                       |                             | 20 - 40  |      |
| C Maximum drying temperature |              | °C                | -                       |                             |          | 110  |

C 这些性能数据来源于 CAMPUS 塑料数据库并且依据 ISO 10350 标准的国际分类原则



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## 声明

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