

Desmopan 3055DU

injection molding grade; with high mechanical strength for articles subject to wear; with special UV stabilizers; excellent abrasion resistance; good wear resistance; very short cycle times; Application: Injection molded engineering parts; Rollers

| 性能 | 测试条件 | 单位 | 标准 | 数值 | | |
|------------------------------|--------------|-------------------|-------------------------|-----------------------------|----------|---------|
| | | | | drying | annealed | - |
| | | | | according to specifications | | |
| 机械性能 | | | | | | |
| C 邵氏硬度 A | 1s | - | DIN ISO 7619-1 | | 96 | |
| C 邵氏硬度 D | 1s | - | DIN ISO 7619-1 | | 56 | |
| C 最终拉伸强度 | 200 mm/min | MPa | DIN 53504 | | 53.5 | |
| C 断裂应变 | 200 mm/min | % | DIN 53504 | | 408 | |
| C 10% 应变时的应力 | 200 mm/min | MPa | DIN 53504 | | 14 | |
| C 50% 应变时的应力 | 200 mm/min | MPa | DIN 53504 | | 19.9 | |
| C 100% 应变时的应力 | 200 mm/min | MPa | DIN 53504 | | 22.2 | |
| C 300% 应变时的应力 | 200 mm/min | MPa | DIN 53504 | | 39.5 | |
| C 压缩率 | 24 h; 70 ° C | % | DIN ISO 815-1, Method A | | 35 | |
| C 压缩率 | 72 h; 23 ° C | % | DIN ISO 815-1 | | 21 | |
| C 压缩率 | 24 h; 70 ° C | % | DIN ISO 815-1, Method C | | 26 | |
| C 耐磨性 | | mm ³ | ISO 4649 method A | | 26 | |
| C 回弹力 | | % | ISO 4662 | | 35 | |
| C 撕裂强度 | 500 mm/min | kN/m | ISO 34-1 | | 136 | |
| C 弯曲模量 | 2 mm/min | MPa | ISO 178 | | 128 | |
| 热性质 | | | | | | |
| C 拉伸储能模量 | -20 ° C | MPa | ISO 6721-1, -4 | | 1200 | |
| C 拉伸储能模量 | 20 ° C | MPa | ISO 6721-1, -4 | | 256 | |
| C 拉伸储能模量 | 60 ° C | MPa | ISO 6721-1, -4 | | 117 | |
| 其他性能 (23 ° C) | | | | | | |
| C 密度 | | kg/m ³ | ISO 1183-1 | | | 1220 |
| 建议成型工艺参数说明: | | | | | | |
| C 注塑-熔体温度 | | °C | - | 220 - 240 | | |
| 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



Desmopan 3055DU

声明

Covestro AG
Business Unit Polyurethanes
Kaiser-Wilhelm-Allee 60
51373 Leverkusen
Germany
www.TPU.covestro.com
www.covestro.com
