

物性参数 Physical parameter

202109版

| 产品名称 Description | PA6GF45 | | 牌号 Grade | FS205A | | |
|---|-------------------|---------------------|-------------------------|------------------------|-----------------------|--|
| 颜色 Color | BK | 样品处理 handling | 23℃、24h | 测试环境: Environment | 23℃、50%RH | |
| 检测项目 Properties | 单位 Unit | 测试标准 Test method | 测试条件: Test condition | 物性指标 Physical Index | 典型值 Typical values | |
| 物理性能 Physical property | | | | | | |
| 密度 Density | g/cm ³ | IS01183 | - | 1.5±0.02 | 1.5 | |
| 燃烧残余 Ignition Residue | % | IS03451-1/A | - | 45±2 | 44.6 | |
| 材料收缩率 Material Shrinkage Rate | % | IS0294-4 | 平行 Parallel | 0.2±0.1 | 0.2 | |
| | | | 垂直 Vertical | 0.6±0.1 | 0.6 | |
| 热学性能 Thermal property | | | | | | |
| 熔体流动速率 Melt Flow Index | g/10min | IS01133 | 250℃, 2.16kg | 8±3 | 9 | |
| 机械性能 Mechanical property | | | | | | |
| 拉伸强度 Tensile Stress at Break | MPa | IS0527 | 50mm/min | >145 | 150 | |
| 断裂伸长率 Elongation at Break | % | IS0527 | 50mm/min | >5 | 5.5 | |
| 弯曲强度 Flexural strength | MPa | IS0178 | 2mm/min | >180 | 190 | |
| 弯曲弹性模量 Flexural Modulus | MPa | IS0178 | 2mm/min | 8000±200 | 8100 | |
| 简支梁缺口冲击强度 Notched Impact Strength | kJ/m ² | IS0179-1 | - | >14 | 14.8 | |
| 燃烧性能 Flammability | | | | | | |
| UL 燃烧等级 Flame Retardancy | Class | UL-94 | - | HB | HB | |
| 使用说明 Usage suggestions | | | | | | |
| 建议烘干温度/时间Recommend drying temperature /time | - | ℃/h | - | 90-105 / 4-6 | - | |
| 建议注塑成型温度Recommend injection molding temperature | - | ℃ | - | 230-250 | - | |
| 注 Note: 1. 以上数据依据我司实验室测试结果, 仅供选材参考 The above data are laboratory test results, as reference only. 2. 物性指标: 产品物理性能参考标准 Physical: Product physical performance reference standard 3. 典型值: 具有代表性的实验室实测数据 Typical values: Representative actual test results. | | | | | | |