

ABS A0105-02



产品简介

ABS

注塑成型 Injection molding

良好的机械性能 Good mechanical properties

汽车部件 Automobile articles

| 性能 Properties | 测试标准 Test Method | 测试条件 Test Condition | 单位 Units | 典型值 Typical Values |
|---|---------------------|------------------------|-------------|-----------------------|
| 物理性能 Physical | | | | |
| 熔融指数 Melt Flow Rate | ASTM D-1238 | 220°C, 10Kg | g/10min | 9 |
| 密度 Specific Gravity | ASTM D-792 | 23°C | g/cm3 | 1.05 |
| 灰份 Ash | - | 800°C,30min | % | - |
| 机械性能 Mechanical | | | | |
| 拉伸强度 Tensile Strength | ASTM D-638 | 50mm/min | MPa | 46 |
| 断裂伸长率 Elongation at Break | ASTM D-638 | 50mm/min | % | 14 |
| 弯曲强度 Flexural Strength | ASTM D-790 | 2mm/min | MPa | 62 |
| 弯曲模量 Flexural Modulus | ASTM D-790 | 2mm/min | MPa | 1800 |
| 简支梁无缺口冲击强度 Impact Strength, IZOD non-notched | ASTM D-256 | 23°C | KJ/m2 | - |
| | | -30°C | KJ/m2 | - |
| 简支梁缺口冲击强度 Impact Strength, IZOD notched | ASTM D-256 | 23°C | KJ/m2 | 17 |
| | | -30°C | KJ/m2 | - |
| 热性能 Thermal | | | | |
| 热变形温度 Heat Deflection Temp. | ASTM D-648 | 退火 | °C | 85 |
| | | 未退火 | °C | 81 |
| 其他 Others | | | | |
| 收缩率 Mold Shrinkage | ASTM D-955 | 23°C | % | 0.3-0.6 |
| 阻燃性 Flammability | UL94 | 1/16" | | HB |

说明：以上数据是典型值，不是保证值。根据模具设计，例如浇口类型，浇口分布，浇口数量的不同，注塑工艺和制件厚

度的不同，测试结果会有波动。不同的颜色，测试结果也会有波动。在使用材料之前，请咨询苏州拓扑新材料有限公司。

Note: The data above is typical value for reference, not guarantee value. The data will vary with tool design such as gate type , gate

location, gate number, injection molding process and part thickness. The data will vary with different color as well. Prior to use the material, please consult with Suzhou TOPO New Material Co.,Ltd.