

TORAY

TORAY PLASTICS (MALAYSIA) SDN BERHAD (46619-P)

High Heat TOYOLAC™ 440Y MH5

| Property 代表物性 | Test Method 试验法 | Test Conditions 试验条件 | Unit 单位 | TOYOLAC 440Y MH5 |
|---|--------------------|-------------------------|-------------------|---------------------|
| Physical Properties 物理性能 | | | | |
| Density 比重 | ISO 1183 | 23°C | kg/m ³ | 1060 |
| Melt Flow Rate 流动系数 | ISO 1133 | 220°C, 10 kg | g / 10min | 15 |
| Mechanical Properties 机械性能 | | | | |
| Charpy Impact, Notched 缺口冲击强度 | ISO 179/1eA | 23°C / 50% RH | kJ/m ² | 10 |
| Tensile Strength 引张强度;降伏点 | ISO 527 | 50 mm/min | MPa | 56 |
| Tensile Elongation at Break 拉伸伸长率 | | 50 mm/min | % | > 10 |
| Tensile Modulus 拉伸模数 | | 1 mm/min | MPa | 3100 |
| Flexural Strength 弯曲强度 | ISO 178 | 2 mm/min | MPa | 89 |
| Flexural Modulus 弯曲模数 | | | | 2830 |
| Thermal Properties 热性能 | | | | |
| Deflection Temperature under load 热变形温度 | ISO 75 | 1.8 Mpa / 120°C/hr | °C | 92 |
| Flammability 燃烧性 | | | | |
| Flammability 燃烧性 | UL 94 | - | - | HB |