



Rynite® SST35 BK503 (PRELIMINARY)

THERMOPLASTIC POLYESTER RESIN

Rynite® SST35 BK503是一种35% 玻纤增强, 增韧, PET具有更佳的抗冲击和刚性

总说明

| | | |
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| 树脂鉴别 | PET-HIGF35 | ISO 1043 |
| 制品标识码 | >PET-HIGF35< | ISO 11469 |

机械性能

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|-------------------|----------------------|--------------|
| 拉伸模量 | 7500 MPa | ISO 527-1/-2 |
| 断裂应力 | 94 MPa | ISO 527-1/-2 |
| 断裂伸长率 | 6 % | ISO 527-1/-2 |
| 弯曲模量 | 6830 MPa | ISO 178 |
| 简支梁无缺口冲击强度, +23°C | 71 kJ/m ² | ISO 179/1eU |
| 简支梁缺口冲击强度, +23°C | 22 kJ/m ² | ISO 179/1eA |
| 简支梁缺口冲击强度, -30°C | 14 kJ/m ² | ISO 179/1eA |
| 悬臂梁缺口冲击强度, 23°C | 22 kJ/m ² | ISO 180/1A |
| 无缺口悬臂梁冲击强度, 23°C | 60 kJ/m ² | ISO 180/1U |
| Poisson's ratio | 0.34 - | |

热性能

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| 热变形温度, 1.80 MPa | 212 °C | ISO 75-1/-2 |
| 相对温度指数, 电气性能, 0.75mm | 150 °C | UL 746B |
| 相对温度指数, 电气性能, 1.5mm | 150 °C | UL 746B |
| 相对温度指数, 电气性能, 3mm | 150 °C | UL 746B |
| 相对温度指数, 冲击, 0.75mm | 150 °C | UL 746B |
| 相对温度指数, 冲击, 1.5mm | 150 °C | UL 746B |
| 相对温度指数, 冲击, 3mm | 150 °C | UL 746B |
| 相对温度指数, 强度, 0.75mm | 150 °C | UL 746B |
| 相对温度指数, 强度, 1.5mm | 150 °C | UL 746B |
| 相对温度指数, 强度, 3mm | 150 °C | UL 746B |

燃烧性能

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| 1.5mm名义厚度时的燃烧性 | HB class | IEC 60695-11-10 |
| 测试用试样的厚度 | 1.5 mm | IEC 60695-11-10 |
| UL注册 | yes - | UL 94 |
| 厚度为h时的燃烧性 | HB class | IEC 60695-11-10 |
| 测试用试样的厚度 | 0.75 mm | IEC 60695-11-10 |
| UL注册 | yes - | UL 94 |
| 灼热丝燃烧指数, 0.75mm | 775 °C | IEC 60695-2-12 |
| 灼热丝燃烧指数, 1.5mm | 725 °C | IEC 60695-2-12 |
| 灼热丝燃烧指数, 3mm | 825 °C | IEC 60695-2-12 |
| 灼热丝起燃温度, 0.75mm | 800 °C | IEC 60695-2-13 |



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|----------------|------------|----------------------|
| 灼热丝起燃温度, 1.5mm | 750 °C | IEC 60695-2-13 |
| 灼热丝起燃温度, 3mm | 825 °C | IEC 60695-2-13 |
| FMVSS Class | B - | ISO 3795 (FMVSS 302) |
| 燃烧速率, 厚度 : 1毫米 | <80 mm/min | ISO 3795 (FMVSS 302) |

电性能

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| 相对漏电起痕指数 | 400 | IEC 60112 |
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其它性能

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| 密度 | 1520 kg/m ³ | ISO 1183 |
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注塑

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| 建议干燥 | 是 |
| 干燥温度 | 120 °C |
| 干燥时间, 除湿干燥机 | 4 - 6 h |
| 加工前水分含量 | ≤ 0.02 ^[1] % |
| 优良熔体温度 | 285 °C |
| 注塑 熔体温度 | 270 °C |
| 注塑 熔体温度 | 290 °C |
| 螺杆大的切线速度 | 0.2 m/s |
| 优良模具温度 | 95 °C |
| 模具温度 | 75 °C |
| 模具温度 | 95 °C |
| 保压范围 | ≥ 80 MPa |
| 保压时间 | 4 s/mm |
| 背压 | As low as possible |
| 喷射温度 | 170 °C |

[1]: At levels above 0.02%, strength and toughness will decrease, even though parts may not exhibit surface defects.

The above data are preliminary and are subject to change as additional data are developed on subsequent lots.

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