

VESTAMID® L2140
L2170

| Property 性能试验 | Test method 试验方法 | Unit 单位 | VESTAMID® L2140 L2170 |
|---|---|--|-----------------------------|
| Physical, thermal, and mechanical properties and combustibility | | | |
| Density 密度 | ISO 1183 | g/cm ³ | 1.01 |
| Melting temperature 熔点 DSC 2 nd heating 差示扫描量热法, 第二次加热 | ISO 11357 | °C | 178 |
| Temp.of deflection under load 负载变形温度 method A 1.8 MPa method B 0.45 MPa | ISO 75 | °C °C | 50 110 |
| Vicat softening temperature 维卡软化点 method A 10N method B 50 N | ISO 306 | °C | 170 140 |
| linear thermal expansion 线性热膨胀 23-55°C | ISO 11359 | 10 ⁻⁴ K ⁻¹ | 1.4 |
| Flammability acc. UL94 阻燃性 1.6 mm 3.2 mm | IEC 60695 | | HB HB |
| Water absorption 吸水率 23 °C. saturation* 23°C. 50% rel. humidity. | ISO 62 | % % | 1.6 0.7 |
| Mold shrinkage 成型收缩 in flow direction 在流动方向 (纵向) in transverse direction 在相反方向 (横向) | ISO 294-4 processing acc ISO 1874-2 | % % | 0.65 1.25 |
| Tensile test 拉伸测试 Stress at yield 屈服应力 Strain at yield 屈服应变 Strain at break 断裂应力 Strain at break 断裂应变 | ISO 527-1/-2 | MPa % MPa % | 47 5 >50 |
| Tensile modulus 拉伸模量 | ISO 527-2/-1A | MPa | 1400 |
| CHARPY impact strength 23 °C 简支梁冲击强度 -30 °C | ISO 179/1eU | kJ/m ² kJ/m ² | N N |
| CHARPY notched impact strength 23 °C 简支梁缺口冲击强度 -30 °C | ISO 179/1eA | kJ/m ² kJ/m ² | 16C 9C |
| Electrical properties | | | |
| Relative permittivity 23°C, 100 HZ 相对介电常数 23 °C, 1 MHz | IEC 60250 | | 3.7 3.0 |

| | | | | |
|---|-------------------------------|-------------|--------------------------------------|------------------|
| Dissipation factor 消耗因素 | 23°C, 100 HZ 23 °C, 1 MHz | IEC 60250 | 10 ⁻⁴ 10 ⁻⁴ | 450 260 |
| electric strength 绝缘强度 | K20/P50 | IEC 60243-1 | kV/mm | 26 |
| Comparative tracking index Test solution A | 比较性漏电指数 CTI 50 drops value | IEC 60112 | | >600 600 |
| Volume resistivity 体积电阻率 | | IEC 60093 | Ω cm | 10 ¹⁵ |
| Electrolytic corrosion effect 电解腐蚀效应 | | IEC 60426 | step | A1 |

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