

| 性能<br>Properties | 测试方法<br>Test method | 单位<br>Unit | 数值<br>Value |
|------------------|---------------------|------------|-------------|
|------------------|---------------------|------------|-------------|

**Physical, thermal, mechanical properties and flammability /物理, 热, 机械性能和易燃性**

|   |      |                     |   |                                   |      |
|---|------|---------------------|---|-----------------------------------|------|
| 密度<br>Density   | 23°C | ISO 1183            |   | g/cm <sup>3</sup>                 | 1.10 |
| 熔点<br>Melting temperature   |      | ISO 3146, ISO 11357 | Peak temperature 2. heating                 | °C                                | 178  |
| 负载变形温度<br>Temperature of deflection under load  |      | ISO 75              | Method A 1.8 MPa                            | °C                                | 50   |
|   |      |                     | Method B 0.45MPa                            | °C                                | 130  |
| 维卡软化温度<br>Vicat softening temperature   |      | ISO 306             | Method A 10N                                | °C                                | 175  |
|   |      |                     | Method B 50N                                | °C                                | 140  |
| 线性热伸展<br>Linear thermal expansion   |      | ISO 11359           | 23-55°C ;determined on specimen 45.15.10 mm | 10 <sup>-4</sup> .k <sup>-1</sup> | 1.8  |
| 易燃性 UL94<br>Flammability acc. UL94  |      | ISO 60695           | 1.6mm                                       |                                   | HB   |
|   |      |                     | 3.2mm                                       |                                   | HB:  |
| 吸水率<br>Water absorption   |      | ISO 62              | Determined on 1 mm thick sheets             |                                   |      |
|   |      |                     | 23°C,saturation <sup>2)</sup>               | %                                 | 1.5  |
| 模型收缩率<br>Mold shrinkage   |      | ISO 294-4           | In flow direction                           | %                                 | 1.45 |
|   |      |                     | Processing cond ac to ISO 1874-2            | In transverse direction           | %    |
| 拉伸强度/Tensile test<br>屈服强度/stress at yield<br>屈服拉伸率Strain at yield<br>断裂强度/Stress at break<br>断裂拉伸率strain at break |      | ISO 527-1/2         |   | MPa                               | 38   |
|   |      |                     |   | %                                 | 5    |
|   |      |                     |   | MPa                               | -    |
|   |      |                     |   | %                                 | >50  |
| 弯曲模量<br>Tensile modulus   |      | ISO 527-1/2         |   | MPa                               | 1600 |
| 悬臂梁冲击强度<br>CHARPY impact strength <sup>3)</sup>   |      | ISO 179/1eU         | 23°C  | kJ/m <sup>2</sup>                 | N    |
|   |      |                     | -30°C                                       | kJ/m <sup>2</sup>                 | N    |
| 悬臂梁缺口冲击强度<br>CHARPY notched impact strength <sup>3)</sup>   |      | ISO 179/1eA         | 23°C  | kJ/m <sup>2</sup>                 | 55P  |
|   |      |                     | -30°C                                       | Kj/m <sup>2</sup>                 | 15C  |

**Electrical properties /电性能**

|  |  |           |  |       |                 |
|--|--|-----------|--|-------|-----------------|
| 绝缘电阻<br>Isolation resistance <sup>4)</sup> |  | IEC 60167 |  | Ω     | 10 <sup>4</sup> |
| 体积电阻率<br>Volume resistivity                |  | IEC 60093 |  | Ω .cm | 10 <sup>4</sup> |

**加工温度 (moding temperature)**

|                         |             |
|-------------------------|-------------|
| 熔体温度 (melt temperature) | 230°C-270°C |
|-------------------------|-------------|

<sup>1)</sup>sw=black/黑色

<sup>2)</sup>不宜存储在水中

<sup>3)</sup>N=no break /无断裂 C=complete /完全断裂 P=partial break /部分断裂

<sup>4)</sup>符合标准R<sub>oe</sub> DIN 43582:1983/VDE 0303 part 3

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