苏州奥美材料科技有限公司
SUZHOU OMAY OPTICAL MATERIALS CO., LTD

# omay® PC 薄膜 G41
# omay® Polycarbonate film G41

| 颜色 Color | 表面纹理 Texture | 厚度范围 Thickness | 常用厚度 Common thickness | 常用尺寸 Common dimension | 用途 Application |
|---|---|---|---|---|---|
| 半透明 semi-transparent | 磨砂/抛光 velvet/polished | 0.1mm～0.76mm | 0.125mm、0.175mm、0.25mm、0.375mm、0.5mm | —— | 各类铭板、标牌、金箔、标签等 All kinds of panels, signs, gold foil, labels and etc |

## 物性一览表

## Product Datasheet

| 序号 Item | 物性 Property | 性能指标 Value | 单位 Unit | 测试标准 Test Method |
|---|---|---|---|---|
| 光学性能 Optical | 透光率 Light Transmission | >85 | % | ASTM D1003 |
| | 雾度 Haze | >45 | % | ASTM D1003 |
| 物理性能 Physical | 密度 Density | 1.2 | $g/cm^3$ | ISO 1183 |
| | 吸水率 Water Absorbing Capacity | <0.3 | % | ASTM D570 |
| 机械性能 Physical | 拉伸强度 Tensile Strength | 60 | MPa | ISO 527 |
| | 断裂伸长率 Elongation | >50 | % | ISO 527 |

E249605 REACH SVHC RoHS IATF 16949:2016 ISO14000

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|---|---|---|---|---|
| | 拉伸模量<br>Tensile Modulus | 2300 | MPa | ISO 527 |
| | 弯曲强度<br>Flexural Strength | 91 | MPa | ISO 178 |
| 电性能<br>Electrical | 介电常数<br>Dielectric Constant | 3 | - | IEC60250 |
| | 耐电压值<br>Resistant Puncture Voltage | 30 | MV/m | IEC 60243 |
| | 耐电弧性<br>Arc Resistivity | 250 | - | IEC60112 |
| | 表面电阻率<br>Surface Resistivity | 1.00E+16 | Ω/square | IEC 60093 |
| | 体积电阻率<br>Volume Resistivity | 1.00E+17 | Ω-cm | IEC 60093 |
| 热性能<br>Thermal | 热膨胀系数<br>Coefficient of Thermal Expansion | 5.8 | $\times 10^{-5}$/℃ | ISO 11359 |
| | 热传导率<br>Thermal Conductivity | 0.2 | W/(m*K) | ASTM D5470 |
| | 收缩率（130℃）<br>Thermal Shrinkage (at 130℃) | 0.5～0.7 | % | ASTM D1204 |
| | 玻璃化温度<br>Tg | 152 | ℃ | ISO 11357 |
| 可燃性<br>Flammability | UL94 | V-2/VTM-2 | | E249605 |

注:本测试仅供参考,不作为绝对应用指标.

Tip: This test data is for reference only, not as an absolute application index.



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