

# omay® LC41

PC Film

Suzhou Omay Optical Materials Co., Ltd

Message:

Velvet/Polished

| General Information              |               |                   |             |
|----------------------------------|---------------|-------------------|-------------|
| UL File Number                   | E249605       |                   |             |
| Forms                            | Film          |                   |             |
| Physical                         | Nominal Value | Unit              | Test Method |
| Density                          | 1.20          | g/cm <sup>3</sup> | ISO 1183    |
| Molding Shrinkage - Flow (150°C) | 0.50 to 0.70  | %                 | ASTM D1204  |
| Surface Tension                  | > 38          | mN/m              |             |
| Pencil Hardness                  | 2B - B        |                   |             |
| Mechanical                       | Nominal Value | Unit              | Test Method |
| Tensile Stress                   | 62.0          | MPa               | ISO 527-2   |
| Tensile Strain (Break)           | > 50          | %                 | ISO 527-2   |
| Flexural Modulus                 | 2330          | MPa               | ISO 178     |
| Flexural Stress                  | 88.0          | MPa               | ISO 178     |
| Thermal                          | Nominal Value | Unit              | Test Method |
| Continuous Use Temperature       | -60.0 to 125  | °C                | UL 746B     |
| Brittleness Temperature          | -135          | °C                | ASTM D746   |
| Glass Transition Temperature     | 153           | °C                | ISO 11357-2 |
| CLTE - Flow                      | 5.8E-5        | cm/cm/°C          | ISO 11359-2 |
| Thermal Conductivity             | 0.20          | W/m/K             | ASTM D5470  |
| Electrical                       | Nominal Value | Unit              | Test Method |
| Surface Resistivity              | 1.0E+16       | ohms              | ASTM D257   |
| Volume Resistivity               | 1.0E+17       | ohms·cm           | ASTM D257   |
| Dielectric Strength              | 30            | kV/mm             | ASTM D149   |
| Flammability                     | Nominal Value | Unit              | Test Method |
|                                  | V-2           |                   |             |
| Flame Rating                     | VTM-2         |                   | UL 94       |
| Optical                          | Nominal Value | Unit              | Test Method |
| Transmittance                    | 88.0          | %                 | ASTM D1003  |
| Haze                             | > 80          | %                 | ASTM D1003  |

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