

# Skyrol® SH62

Polyethylene Terephthalate

SKC Inc.

## Message:

Skyrol® SH62 is an optically very clear and glossy polyester film. SH62 is pretreated on one side with an adhesion promoting coating and the other side with an antistatic coating. SH62 is used in a wide variety of imaging and graphic arts applications.

| General Information                    |                   |                   |                 |
|----------------------------------------|-------------------|-------------------|-----------------|
| UL YellowCard                          | E74359-100717954  | E74359-249671     |                 |
| Additive                               | Antistatic        |                   |                 |
| Features                               | Antistatic        |                   |                 |
|                                        | Good Adhesion     |                   |                 |
|                                        | High Gloss        |                   |                 |
|                                        | Opticals          |                   |                 |
| Uses                                   | Film              |                   |                 |
|                                        | Printing Sheet    |                   |                 |
| Appearance                             | Clear/Transparent |                   |                 |
| Forms                                  | Film              |                   |                 |
| Physical                               | Nominal Value     | Unit              | Test Method     |
| Density <sup>1</sup>                   | 1.40              | g/cm <sup>3</sup> | ASTM D1505      |
| Molding Shrinkage                      |                   |                   | Internal Method |
| Flow : 150°C, 30 min, 0.0500 mm        | 1.5               | %                 |                 |
| Flow : 150°C, 30 min, 0.161 mm         | 1.2               | %                 |                 |
| Across Flow : 150°C, 30 min, 0.0500 mm | 0.80              | %                 |                 |
| Across Flow : 150°C, 30 min, 0.161 mm  | 0.30              | %                 |                 |
| Mechanical                             | Nominal Value     | Unit              | Test Method     |
| Coefficient of Friction                |                   |                   | ASTM D1894      |
| vs. Itself - Dynamic <sup>2</sup>      | 0.30              |                   |                 |
| vs. Itself - Dynamic <sup>3</sup>      | 0.30              |                   |                 |
| vs. Itself - Static <sup>4</sup>       | 0.40              |                   |                 |
| vs. Itself - Static <sup>5</sup>       | 0.30              |                   |                 |
| Films                                  | Nominal Value     | Unit              | Test Method     |
| Tensile Strength                       |                   |                   | ASTM D882       |
| MD : Yield,50 µm                       | 228               | MPa               |                 |
| MD : Yield,160 µm                      | 186               | MPa               |                 |
| TD : Yield,50 µm                       | 255               | MPa               |                 |
| TD : Yield,160 µm                      | 200               | MPa               |                 |
| Tensile Elongation                     |                   |                   | ASTM D882       |

| MD : Break, 50 μm  | 140           | %    |             |
|--------------------|---------------|------|-------------|
| MD : Break, 160 μm | 210           | %    |             |
| TD : Break, 50 μm  | 110           | %    |             |
| TD : Break, 160 μm | 120           | %    |             |
| Optical            | Nominal Value | Unit | Test Method |
| Gardner Gloss      |               |      | ASTM D523   |
| 50.0 μm            | 189           |      |             |
| 161 μm             | 186           |      |             |
| Transmittance      |               |      | ASTM D1003  |
| 50.0 μm            | 90.0          | %    |             |
| 161 μm             | 89.0          | %    |             |
| Haze               |               |      | ASTM D1003  |
| 50.0 μm            | 0.90          | %    |             |
| 161 μm             | 1.9           | %    |             |
| NOTE               |               |      |             |
| 1.                 | 50 μm         |      |             |
| 2.                 | 50 μm         |      |             |
| 3.                 | 161 μm        |      |             |
| 4.                 | 161 μm        |      |             |
| 5.                 | 50 μm         |      |             |

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