

# Skyrol® SR50

Polyethylene Terephthalate

SKC Inc.

## Message:

Skyrol® SR50 outstanding is a film with a high haze. It has good dimensional stability, low water absorption and good resistance to chemical attack. SR50 is used in electrical motors and cables, and general purpose applications.

| General Information                   |                            |                   |                 |
|---------------------------------------|----------------------------|-------------------|-----------------|
| UL YellowCard                         | E74359-249677              |                   |                 |
| Features                              | Good Dimensional Stability |                   |                 |
|                                       | Low to No Water Absorption |                   |                 |
| Uses                                  | Cable Jacketing            |                   |                 |
|                                       | Electrical Parts           |                   |                 |
|                                       | Film                       |                   |                 |
|                                       | General Purpose            |                   |                 |
| 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, 0.125 mm        | 1.3                        | %                 |                 |
| Flow : 150°C, 30 min, 0.175 mm        | 1.3                        | %                 |                 |
| Across Flow : 150°C, 30 min, 0.125 mm | 0.30                       | %                 |                 |
| Across Flow : 150°C, 30 min, 0.175 mm | 0.10                       | %                 |                 |
| Films                                 | Nominal Value              | Unit              | Test Method     |
| Tensile Strength                      |                            |                   | ASTM D882       |
| MD : Yield,130 µm                     | 200                        | MPa               |                 |
| MD : Yield,180 µm                     | 179                        | MPa               |                 |
| TD : Yield,130 µm                     | 200                        | MPa               |                 |
| TD : Yield,180 µm                     | 193                        | MPa               |                 |
| Tensile Elongation                    |                            |                   | ASTM D882       |
| MD : Break, 130 µm                    | 180                        | %                 |                 |
| MD : Break, 180 µm                    | 220                        | %                 |                 |
| TD : Break, 130 µm                    | 120                        | %                 |                 |
| TD : Break, 180 µm                    | 130                        | %                 |                 |
| Optical                               | Nominal Value              | Unit              | Test Method     |
| Haze                                  |                            |                   | ASTM D1003      |
| 125 µm                                | 39                         | %                 |                 |
| 175 µm                                | 43                         | %                 |                 |

## NOTE

1. 125  $\mu\text{m}$

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