

## TECHNICAL DATASHEET

**TRIEL<sup>®</sup> SB5802A**

TPEE

| PROPERTY                    | UNIT                             | ASTM METHOD | TYPICAL DATA |
|-----------------------------|----------------------------------|-------------|--------------|
| <b>PHYSICAL</b>             |                                  |             |              |
| Specific Gravity            | -                                | D792        | 0.95         |
| Melt Flow Rate (230℃, 5kg)  | g/10min                          | D1238       | 17           |
| <b>MECHANICAL</b>           |                                  |             |              |
| Tensile Strength at yield   | kg <sub>f</sub> /cm <sup>2</sup> | D638        | 160          |
| Tensile Elongation at break | %                                | D638        | 914          |
| Flexural Strength at yield  | kg <sub>f</sub> /cm <sup>2</sup> | D790        | 35           |
| <b>THERMAL</b>              |                                  |             |              |
| <b>ELECTRICAL</b>           |                                  |             |              |
| <b>OTHERS</b>               |                                  |             |              |

※ The figures listed in this table are typical values obtained under the standard test methods and may not be applicable for products that are under different application condition.

## PROCESSING GUIDE

# TRIEL<sup>®</sup> SB5802A GRADE

TPEE

- General processing conditions for TRIELSB5802A are shown below. Drying prior to processing is essential to ensure desired appearance and property performance.

| SPECIFICATION         | UNIT | CONDITIONS |
|-----------------------|------|------------|
| Drying Temperature    | ℃    | 100~110    |
| Drying Time           | hr   | 3~4        |
| Moisture Content, Max | %    | 0.02       |
| Melt Temperature      | ℃    | 200~230    |
| Nozzle Temperature    | ℃    | 230~250    |
| Front Temperature     | ℃    | 230~250    |
| Middle Temperature    | ℃    | 230~250    |
| Rear Temperature      | ℃    | 200~230    |
| Mold Temperature      | ℃    | 30~50      |
| Back Pressure         | MPa  | 0.0~0.1    |
| Screw Speed           | rpm  | 10~50      |
| Vent Depth            | mm   | 0.02~0.08  |

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