

# ESTOPLAST ZK 8002NN01

Polycarbonate + ABS

Ester Industries Ltd.

Message:

Polycarbonate-Acrylonitrile Butadiene Styrene, Unfilled, Natural  
Electrical & Electronics and Appliance components

| General Information            |                                    |                   |                        |
|--------------------------------|------------------------------------|-------------------|------------------------|
| Additive                       | demoulding                         |                   |                        |
|                                | UV stabilizer                      |                   |                        |
| Features                       | UV Stabilized                      |                   |                        |
|                                | Impact resistance, high            |                   |                        |
|                                | Good liquidity                     |                   |                        |
|                                | Good demoulding performance        |                   |                        |
| Uses                           | Electrical/Electronic Applications |                   |                        |
|                                | Home appliance components          |                   |                        |
| RoHS Compliance                | RoHS compliance                    |                   |                        |
| Appearance                     | Natural color                      |                   |                        |
| Forms                          | Particle                           |                   |                        |
| Processing Method              | Injection molding                  |                   |                        |
| Physical                       | Nominal Value                      | Unit              | Test Method            |
| Specific Gravity               | 1.11                               | g/cm <sup>3</sup> | ASTM D792              |
| shrinkage-Flow                 | 0.60 - 0.70                        | %                 | ISO 294-4              |
| Water Absorption (23°C, 24 hr) | 0.20                               | %                 | ASTM D570              |
| Mechanical                     | Nominal Value                      | Unit              | Test Method            |
| Tensile Strength (Yield)       | 49.0                               | MPa               | ASTM D638              |
| Tensile Elongation (Break)     | 20                                 | %                 | ASTM D638              |
| Flexural Strength              | 80.9                               | MPa               | ASTM D790              |
| Impact                         | Nominal Value                      | Unit              | Test Method            |
| Notched Izod Impact            | 400                                | J/m               | ASTM D256A             |
| Unnotched Izod Impact          | No Break                           |                   | ASTM D256              |
| Thermal                        | Nominal Value                      | Unit              | Test Method            |
| Vicat Softening Temperature    | 105                                | °C                | ASTM D648 <sup>1</sup> |
| Flammability                   | Nominal Value                      |                   | Test Method            |
| Flame Rating (3.0 mm)          | HB                                 |                   | UL 94                  |
| Injection                      | Nominal Value                      | Unit              |                        |
| Drying Temperature             | 80 - 100                           | °C                |                        |

|                        |           |    |
|------------------------|-----------|----|
| Drying Time            | 3.0 - 4.0 | hr |
| Rear Temperature       | 240 - 250 | °C |
| Middle Temperature     | 260 - 270 | °C |
| Nozzle Temperature     | 255 - 265 | °C |
| Processing (Melt) Temp | 250 - 260 | °C |
| Mold Temperature       | 60 - 90   | °C |

NOTE

1. 标准 B (120°C/h)

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China



WECHAT