

# Trovidur® ET

Rigid Polyvinyl Chloride

Röchling Engineering Plastics SE & Co. KG

## Message:

- Product characteristics
- Normal impact strength
- High transparency
- Typical field of application
- Clean room and semiconductor technology
- Mechanical engineering

| General Information                          |                                    |           |             |
|----------------------------------------------|------------------------------------|-----------|-------------|
| Uses                                         | Electrical/Electronic Applications |           |             |
|                                              | Engineered Applications            |           |             |
| Appearance                                   | Clear/Transparent                  |           |             |
| Physical                                     | Nominal Value                      | Unit      | Test Method |
| Density                                      | 1.39                               | g/cm³     | ISO 1183    |
| Water Absorption (Equilibrium, 23°C, 50% RH) | < 3.0                              | %         | ISO 62      |
| Hardness                                     | Nominal Value                      | Unit      | Test Method |
| Shore Hardness (Shore D)                     | 83                                 |           | ISO 868     |
| Mechanical                                   | Nominal Value                      | Unit      | Test Method |
| Tensile Modulus                              | 3200                               | MPa       | ISO 527-2   |
| Tensile Strain (Break)                       | 10                                 | %         | ISO 527-2   |
| Impact                                       | Nominal Value                      | Unit      | Test Method |
| Charpy Notched Impact Strength               | 2.0                                | kJ/m²     | ISO 179     |
| Thermal                                      | Nominal Value                      | Unit      | Test Method |
| CLTE - Flow                                  | 6.0E-5 to 8.0E-5                   | cm/cm/°C  | DIN 53752   |
| Heat Deflection Temperature - Vicat B        | 62                                 | °C        | ISO 306     |
| Electrical                                   | Nominal Value                      | Unit      | Test Method |
| Surface Resistivity                          | > 1.0E+13                          | ohms      | IEC 60093   |
| Volume Resistivity                           | > 1.0E+15                          | ohms · cm | IEC 60093   |
| Dielectric Constant                          | 3.20                               |           | IEC 60250   |
| Dissipation Factor (1 MHz)                   | 0.020                              |           | IEC 60250   |
| Flammability                                 | Nominal Value                      | Unit      | Test Method |
| Flame Rating                                 |                                    |           | UL 94       |
| 3.00 mm                                      | V-0                                |           |             |
| 6.00 mm                                      | V-0                                |           |             |

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## 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



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