

# RONFALIN® ABS 1337

Acrylonitrile Butadiene Styrene

A. Schulman Europe

Message:

General purpose ABS Compound, high flow

| General Information                         |                   |                        |                 |
|---------------------------------------------|-------------------|------------------------|-----------------|
| Features                                    | Good liquidity    |                        |                 |
| Processing Method                           | Injection molding |                        |                 |
| Resin ID (ISO 1043)                         | ABS               |                        |                 |
| Physical                                    | Nominal Value     | Unit                   | Test Method     |
| Density                                     | 1.04              | g/cm <sup>3</sup>      | ISO 1183/A      |
| Melt Volume-Flow Rate (MVR) (220°C/10.0 kg) | 37.0              | cm <sup>3</sup> /10min | ISO 1133        |
| Hardness                                    | Nominal Value     | Unit                   | Test Method     |
| Ball Indentation Hardness (H 358/30)        | 120               | MPa                    | ISO 2039-1      |
| Mechanical                                  | Nominal Value     | Unit                   | Test Method     |
| Tensile Modulus                             | 2600              | MPa                    | ISO 527-2/1A/1  |
| Tensile Stress                              |                   |                        | ISO 527-2/1A/50 |
| Yield                                       | 48.0              | MPa                    | ISO 527-2/1A/50 |
| Fracture                                    | 37.0              | MPa                    | ISO 527-2/1A/50 |
| Tensile Strain (Yield)                      | 3.0               | %                      | ISO 527-2/1A/50 |
| Nominal Tensile Strain at Break             | 16                | %                      | ISO 527-2/1A/50 |
| Flexural Modulus <sup>1</sup>               | 2800              | MPa                    | ISO 178         |
| Flexural Stress <sup>2</sup> (4.8% strain)  | 79.0              | MPa                    | ISO 178         |
| Impact                                      | Nominal Value     | Unit                   | Test Method     |
| Charpy Notched Impact Strength              |                   |                        | ISO 179/1eA     |
| -30°C                                       | 8.0               | kJ/m <sup>2</sup>      | ISO 179/1eA     |
| 23°C                                        | 17                | kJ/m <sup>2</sup>      | ISO 179/1eA     |
| Charpy Unnotched Impact Strength            |                   |                        | ISO 179/1eU     |
| -30°C                                       | 83                | kJ/m <sup>2</sup>      | ISO 179/1eU     |
| 23°C                                        | No Break          |                        | ISO 179/1eU     |
| Thermal                                     | Nominal Value     | Unit                   | Test Method     |
| Heat Deflection Temperature                 |                   |                        |                 |
| 0.45 MPa, not annealed                      | 91.0              | °C                     | ISO 75-2/Bf     |
| 1.8 MPa, not annealed                       | 79.0              | °C                     | ISO 75-2/Af     |
| Vicat Softening Temperature                 |                   |                        |                 |
| --                                          | 103               | °C                     | ISO 306/A50     |
| --                                          | 97.0              | °C                     | ISO 306/B50     |
| Electrical                                  | Nominal Value     | Unit                   | Test Method     |

| Surface Resistivity                     | 1.0E+14       | ohms    | IEC 60093            |
|-----------------------------------------|---------------|---------|----------------------|
| Volume Resistivity                      | 1.0E+14       | ohms·cm | IEC 60093            |
| Comparative Tracking Index (Solution A) | 600           | V       | IEC 60112            |
| Flammability                            | Nominal Value | Unit    | Test Method          |
| Flammability Classification             |               |         | IEC 60695-11-10, -20 |
| 1.6 mm                                  | HB            |         | IEC 60695-11-10, -20 |
| 3.2 mm                                  | HB            |         | IEC 60695-11-10, -20 |
| Glow Wire Ignition Temperature          |               |         | IEC 60695-2-13       |
| 1.5 mm                                  | 700           | °C      | IEC 60695-2-13       |
| 3.0 mm                                  | 700           | °C      | IEC 60695-2-13       |

#### Additional Information

1.)  
Not for use in food contact applications2.)  
Not for use in medical or pharmaceutical applications

| Injection              | Nominal Value | Unit |
|------------------------|---------------|------|
| Drying Temperature     | 80            | °C   |
| Drying Time            | 2.0 - 4.0     | hr   |
| Suggested Max Regrind  | 30            | %    |
| Processing (Melt) Temp | 230 - 250     | °C   |
| Mold Temperature       | 40 - 80       | °C   |

#### NOTE

- |    |            |
|----|------------|
| 1. | 2.0 mm/min |
| 2. | 2.0 mm/min |

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

