

## Technical Data Sheet

### Ronfalin ASA 3332 U JP NAT



Acrylonitrile Styrene Acrylate

#### Product Description

Acrylonitrile Styrene Acrylate for injection moulding with excellent light fastness and UV stability

**Processing Method**      Injection Molding

| Typical Properties                              | Nominal Value | Units                   | Test Method          |
|-------------------------------------------------|---------------|-------------------------|----------------------|
| <b>Physical</b>                                 |               |                         |                      |
| Melt Volume Flow Rate, (220 °C/10.0 kg)         | 10            | cm <sup>3</sup> /10 min | ISO 1133             |
| Density, (Method A)                             | 1.04          | g/cm <sup>3</sup>       | ISO 1183             |
| <b>Mechanical</b>                               |               |                         |                      |
| Tensile Stress at Yield, (Type 1A, 50 mm/min)   | 47.0          | MPa                     | ISO 527-2            |
| Tensile Strain at Break, (Type 1A, 50 mm/min)   | 13            | %                       | ISO 527-2            |
| Tensile Modulus, (1 mm/min, Type 1A)            | 2250          | MPa                     | ISO 527-1            |
| Flexural Stress                                 | 60            | MPa                     | ISO 178              |
| <b>Impact</b>                                   |               |                         |                      |
| Notched Izod Impact Strength                    | 15            | kJ/m <sup>2</sup>       | ISO 180              |
| <b>Thermal</b>                                  |               |                         |                      |
| Vicat Softening Temperature, (B (50N), 50 °C/h) | 96.0          | °C                      | ISO 306              |
| <b>Flammable</b>                                |               |                         |                      |
| Burning Rate                                    |               |                         |                      |
| (2.00 mm)                                       | <100          | mm/min                  | ISO 3795             |
| (2.00 mm)                                       | <100          | mm/min                  | FMVSS 302            |
| <b>UL Information</b>                           |               |                         |                      |
| Flammability Classification, (3.2 mm)           | HB            |                         | IEC 60695-11-10, -20 |

| Injection Parameters   | Nominal Value | Units |
|------------------------|---------------|-------|
| Drying Time            | 2.0 to 4.0    | hr    |
| Drying Temperature     | 80            | °C    |
| Processing (Melt) Temp | 240 to 270    | °C    |
| Mold Temperature       | 40 to 80      | °C    |