

## Technical Data Sheet

### *Ronfalin* SAN 4701 GF35 NAT



Styrene Acrylonitrile

#### Product Description

35% glass fiber reinforced, High Heat resistant SAN compound

|                      |                                           |
|----------------------|-------------------------------------------|
| Processing Method    | Injection Molding                         |
| Attribute            | Good Dimensional Stability; High Strength |
| Filler/Reinforcement | Glass Fiber, 35%                          |
| Resin ID             | SAN-GF                                    |

| Typical Properties                                                    | Nominal Value | Units             | Test Method |
|-----------------------------------------------------------------------|---------------|-------------------|-------------|
| <b>Mechanical</b>                                                     |               |                   |             |
| Tensile Strain at Break, (Type 1A, 5 mm/min)                          | 1.0           | %                 | ISO 527-2   |
| Tensile Stress at Break, (Type 1A, 5 mm/min)                          | 96.0          | MPa               | ISO 527-2   |
| <b>Impact</b>                                                         |               |                   |             |
| Charpy Impact Strength - Notched, (-30 °C, Type 1, Edgewise, Notch A) | 3.0           | kJ/m <sup>2</sup> | ISO 179     |
| Charpy Impact Strength - Unnotched, (-30 °C, Type 1, Edgewise)        | 9.0           | kJ/m <sup>2</sup> | ISO 179     |
| <b>Hardness</b>                                                       |               |                   |             |
| Ball Indentation Hardness, (H 358/30)                                 | 77.0          | MPa               | ISO 2039-1  |
| <b>Thermal</b>                                                        |               |                   |             |
| Vicat Softening Temperature, (B (50N), 50 °C/h)                       | 120           | °C                | ISO 306     |