

## Technical Data Sheet

### Ronfalin A 30U ANTHRACITE GRY6-2421

Acrylonitrile Butadiene Styrene

#### Product Description

General Purpose, UV stabilized ABS

|                   |                   |
|-------------------|-------------------|
| Processing Method | Injection Molding |
| Attribute         | UV Stabilized     |
| Resin ID          | ABS               |

| Typical Properties                              | Nominal Value | Units             | Test Method    |
|-------------------------------------------------|---------------|-------------------|----------------|
| <b>Physical</b>                                 |               |                   |                |
| Melt Flow Rate, (220 °C/10.0 kg)                | 29            | g/10 min          | ISO 1133       |
| Density, (Method A)                             | 1.04          | g/cm <sup>3</sup> | ISO 1183       |
| <b>Mechanical</b>                               |               |                   |                |
| Tensile Stress at Yield                         | 37            | MPa               | ISO 527-2      |
| Tensile Strain at Break                         | 15            | %                 | ISO 527-2      |
| Flexural Modulus                                | 2170          | MPa               | ISO 178        |
| Tensile Modulus, (1 mm/min, Type 1A)            | 2050          | MPa               | ISO 527-1      |
| <b>Impact</b>                                   |               |                   |                |
| Unnotched Izod Impact Strength, (23 °C)         | 15            | kJ/m <sup>2</sup> | ISO 180        |
| <b>Thermal</b>                                  |               |                   |                |
| Vicat Softening Temperature, (B (50N), 50 °C/h) | 93.0          | °C                | ISO 306        |
| <b>Flammable</b>                                |               |                   |                |
| Glow Wire Flammability Index                    | 650           | °C                | IEC 60695-2-12 |
| Glow Wire Ignition Temperature                  | 700           | °C                | IEC 60695-2-13 |
| <b>UL Information</b>                           |               |                   |                |
| Flame Rating, (3.2 mm)                          | HB            |                   | UL 94          |

| Injection Parameters   | Nominal Value | Units |
|------------------------|---------------|-------|
| Drying Time            | 2.0 to 4.0    | hr    |
| Drying Temperature     | 80            | °C    |
| Processing (Melt) Temp | 230 to 250    | °C    |
| Mold Temperature       | 40 to 80      | °C    |