

## Technical Data Sheet

### *Ronfalin* ABS 30U PLUS WHI1.0219



Acrylonitrile Butadiene Styrene

#### Product Description

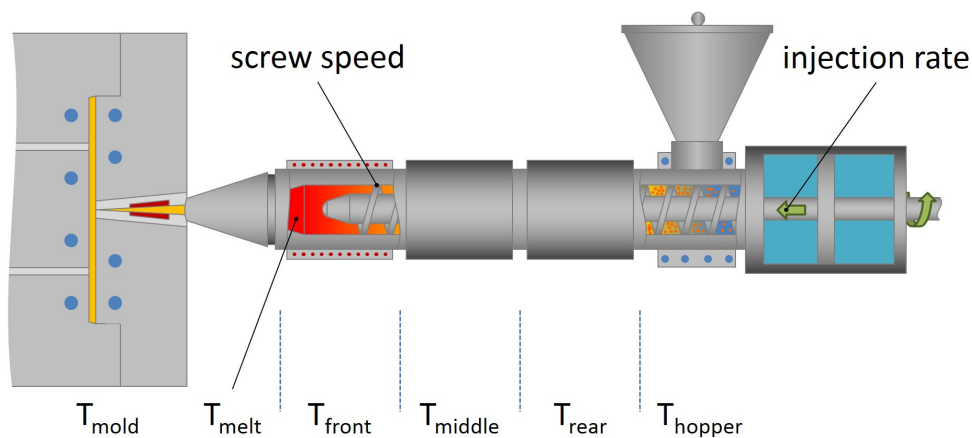
General Purpose, UV stabilized ABS

#### Regulatory Status

For regulatory compliance information, see *Ronfalin* ABS 30U PLUS WHI1.0219 [Product Stewardship Bulletin \(PSB\)](#) and [Safety Data Sheet \(SDS\)](#).

|                          |                                                         |
|--------------------------|---------------------------------------------------------|
| <b>Status</b>            | Limited Issue                                           |
| <b>Availability</b>      | Africa-Middle East; Asia-Pacific; Europe; North America |
| <b>Processing Method</b> | Injection Molding                                       |
| <b>Attribute</b>         | UV Stabilized                                           |
| <b>Resin ID</b>          | 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    |

## Notes

These are typical property values not to be construed as specification limits.

## Processing Techniques

Specific recommendations for resin type and processing conditions can only be made when the end use, required properties and fabrication equipment are known.

## Company Information

For further information regarding the LyondellBasell company, please visit <http://www.lyb.com/>.

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