

## Technical Data Sheet

# Ronfalin ASA 3332 U

Acrylonitrile Styrene Acrylate  
LyondellBasell Industries  
Engineering Plastics

### Product Description

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

### General

Processing Method • Injection Molding

| Physical                                    | Nominal Value (English)   | Nominal Value (SI)        | Test Method          |
|---------------------------------------------|---------------------------|---------------------------|----------------------|
| Density                                     | 1.04 g/cm <sup>3</sup>    | 1.04 g/cm <sup>3</sup>    | ISO 1183/A           |
| Melt Volume-Flow Rate (MVR) (220°C/10.0 Kg) | 10 cm <sup>3</sup> /10min | 10 cm <sup>3</sup> /10min | ISO 1133             |
| Mechanical                                  | Nominal Value (English)   | Nominal Value (SI)        | Test Method          |
| Tensile Modulus                             | 326000 psi                | 2250 MPa                  | ISO 527-1/1A/1       |
| Tensile Stress (Yield)                      | 6820 psi                  | 47.0 MPa                  | ISO 527-2/1A/50      |
| Tensile Strain (Break)                      | 13 %                      | 13 %                      | ISO 527-2/1A/50      |
| Flexural Stress                             | 8700 psi                  | 60.0 MPa                  | ISO 178              |
| Impact                                      | Nominal Value (English)   | Nominal Value (SI)        | Test Method          |
| Notched Izod Impact Strength                | 7.1 ft·lb/in <sup>2</sup> | 15 kJ/m <sup>2</sup>      | ISO 180              |
| Thermal                                     | Nominal Value (English)   | Nominal Value (SI)        | Test Method          |
| Vicat Softening Temperature                 | 205 °F                    | 96.0 °C                   | ISO 306/B50          |
| Flammability                                | Nominal Value (English)   | Nominal Value (SI)        | Test Method          |
| Burning Rate                                |                           |                           |                      |
| 0.0787 In (2.00 Mm)                         | < 3.9 in/min              | < 100 mm/min              | ISO 3795             |
| 0.0787 In (2.00 Mm)                         | < 3.9 in/min              | < 100 mm/min              | FMVSS 302            |
| Flammability Classification                 |                           |                           | IEC 60695-11-10, -20 |
| 0.13 In (3.2 Mm)                            | HB                        | HB                        |                      |

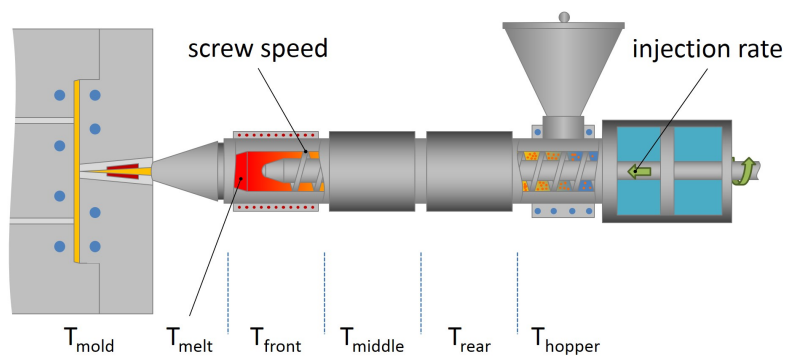
### Additional Information

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

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| Injection              | Nominal Value (English) | Nominal Value (SI) |
|------------------------|-------------------------|--------------------|
| Drying Temperature     | 176 °F                  | 80 °C              |
| Drying Time            | 2.0 to 4.0 hr           | 2.0 to 4.0 hr      |
| Processing (Melt) Temp | 464 to 518 °F           | 240 to 270 °C      |
| Mold Temperature       | 104 to 176 °F           | 40 to 80 °C        |

### Notes

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