



# Polyfast® SA002

## Ravago Manufacturing Europe - Acrylonitrile Styrene Acrylate

### General Information

#### Product Description

ASA heat resistant grade

#### General

|                 |                          |
|-----------------|--------------------------|
| Material Status | • Commercial: Active     |
| Availability    | • Europe                 |
| Features        | • Medium Heat Resistance |

### Properties <sup>1</sup>

| Physical  | Nominal Value | Unit              | Test Method    |
|---|---------------|-------------------|----------------|
| Density   | 1.06          | g/cm <sup>3</sup> | ISO 1183       |
| Melt Mass-Flow Rate (MFR) (220°C/10.0 kg)             | 5.0           | g/10 min          | ISO 1133       |
| Molding Shrinkage                                     | 0.40 to 0.70  | %                 | ISO 2577       |
| Mechanical  | Nominal Value | Unit              | Test Method    |
| Tensile Stress (Yield)                                | 44.0          | MPa               | ISO 527-2      |
| Tensile Stress (Break)                                | 38.0          | MPa               | ISO 527-2      |
| Tensile Strain (Break)                                | 10            | %                 | ISO 527-2      |
| Flexural Modulus                                      | 2700          | MPa               | ISO 178        |
| Impact  | Nominal Value | Unit              | Test Method    |
| Notched Izod Impact Strength (23°C)                   | 8.0           | kJ/m <sup>2</sup> | ISO 180/A      |
| Thermal   | Nominal Value | Unit              | Test Method    |
| Deflection Temperature Under Load (1.8 MPa, Annealed) | 100           | °C                | ISO 75-2/A     |
| Vicat Softening Temperature                           |               |                   |                |
| --  | 108           | °C                | ISO 306/B50    |
| --  | 115           | °C                | ISO 306/A50    |
| Ball Pressure Test (75°C)                             | Pass          |                   |                |
| Electrical  | Nominal Value | Unit              | Test Method    |
| Surface Resistivity                                   | 1.0E+13       | ohms              | IEC 60093      |
| Volume Resistivity                                    | 1.0E+12       | ohms·cm           | IEC 60093      |
| Electric Strength (1.00 mm, in Oil)                   | 38            | kV/mm             | IEC 60243-1    |
| Comparative Tracking Index                            | 600           | V                 | IEC 60112      |
| Flammability  | Nominal Value | Unit              | Test Method    |
| Flame Rating  |               |                   | UL 94          |
| 1.6 mm  | HB            |                   |                |
| 3.2 mm  | HB            |                   |                |
| Glow Wire Flammability Index (2.0 mm)                 | 650           | °C                | IEC 60695-2-12 |

#### Notes

<sup>1</sup> Typical properties: these are not to be construed as specifications.