

# POLYabs S00 AS UV

Acrylonitrile Butadiene Styrene

Polykemi AB

Message:

High flow, UV-stabilised Antistatic

| General Information                      |               |                   |                |
|------------------------------------------|---------------|-------------------|----------------|
| Additive                                 | Antistatic    |                   |                |
|                                          | UV Stabilizer |                   |                |
| Features                                 | Antistatic    |                   |                |
|                                          | High Flow     |                   |                |
| Physical                                 | Nominal Value | Unit              | Test Method    |
| Density                                  | 1.04          | g/cm <sup>3</sup> | ISO 1183       |
| Melt Mass-Flow Rate (MFR) (230°C/5.0 kg) | 22            | g/10 min          | ISO 1133       |
| Molding Shrinkage                        |               |                   | ISO 294-4      |
| Across Flow                              | 0.60 to 0.80  | %                 |                |
| Flow                                     | 0.60 to 0.80  | %                 |                |
| Mechanical                               | Nominal Value | Unit              | Test Method    |
| Tensile Stress                           | 43.0          | MPa               | ISO 527-2      |
| Tensile Strain (Yield)                   | 6.0           | %                 | ISO 527-2      |
| Flexural Modulus (23°C)                  | 2300          | MPa               | ISO 178        |
| Flexural Stress                          | 75.0          | MPa               | ISO 178        |
| Impact                                   | Nominal Value | Unit              | Test Method    |
| Charpy Notched Impact Strength           |               |                   | ISO 179        |
| -20°C                                    | 10            | kJ/m <sup>2</sup> |                |
| 23°C                                     | 14            | kJ/m <sup>2</sup> |                |
| Thermal                                  | Nominal Value | Unit              | Test Method    |
| Heat Deflection Temperature <sup>1</sup> |               |                   |                |
| 0.45 MPa, Unannealed                     | 88.0          | °C                | ISO 75-2/B     |
| 1.8 MPa, Unannealed                      | 77.0          | °C                | ISO 75-2/A     |
| Vicat Softening Temperature              |               |                   |                |
| --                                       | 106           | °C                | ISO 306/A50    |
| --                                       | 100           | °C                | ISO 306/B50    |
| Flammability                             | Nominal Value | Unit              | Test Method    |
| Flame Rating (1.60 mm)                   | HB            |                   | UL 94          |
| Glow Wire Ignition Temperature (2.00 mm) | 650           | °C                | IEC 60695-2-13 |
| NOTE                                     |               |                   |                |
| 1.                                       | 120°C/hr      |                   |                |

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