

# POLYNIL® B40

Polyamide 66  
Nilit Plastics

Message:  
POLYNIL® B40 is an unreinforced bright Polyamide 66 (Nylon 66) for fiber spinning.  
This 2.5 viscosity Polyamide resin 66 is FDA compliant.

| General Information                     |                            |                   |             |
|-----------------------------------------|----------------------------|-------------------|-------------|
| Uses                                    | Fibers                     |                   |             |
| Agency Ratings                          | FDA Unspecified Rating     |                   |             |
| Processing Method                       | Fiber (Spinning) Extrusion |                   |             |
| Physical                                | Nominal Value              | Unit              | Test Method |
| Density (23°C)                          | 1.14                       | g/cm <sup>3</sup> | ISO 1183    |
| Water Absorption                        |                            |                   | ISO 62      |
| 23°C, 24 hr                             | 1.5                        | %                 |             |
| Saturation, 23°C                        | 8.5                        | %                 |             |
| Thermal                                 | Nominal Value              | Unit              | Test Method |
| Heat Deflection Temperature             |                            |                   |             |
| 0.45 MPa, Unannealed                    | 225                        | °C                | ISO 75-2/B  |
| 1.8 MPa, Unannealed                     | 85.0                       | °C                | ISO 75-2/A  |
| Continuous Use Temperature <sup>1</sup> | 85.0                       | °C                | IEC 60216   |
| Vicat Softening Temperature             | 240                        | °C                | ISO 306/B   |
| Melting Temperature                     | 258                        | °C                |             |
| Flammability                            | Nominal Value              | Unit              | Test Method |
| Oxygen Index                            | 28                         | %                 | ISO 4589-2  |
| NOTE                                    |                            |                   |             |

1. 20000 hr

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