

# Novamid® 1010

Polyamide 6

DSM Engineering Plastics

## Message:

Novamid® 1010 is a Polyamide 6 (Nylon 6) material. It is available in Asia Pacific for injection molding. Primary attribute of Novamid® 1010: Low Viscosity.

| General Information                          |                   |                    |             |
|--|-------------------|--------------------|-------------|
| Features                                     | Low Viscosity     |                    |             |
| Processing Method                            | Injection Molding |                    |             |
| Physical                                     | Nominal Value     | Unit               | Test Method |
| Density                                      | 1.13              | g/cm <sup>3</sup>  | ISO 1183    |
| Water Absorption (Equilibrium, 23°C, 50% RH) | 2.8               | %                  | ISO 62      |
| Viscosity Number                             | 118               | cm <sup>3</sup> /g | ISO 307     |
| Thermal                                      | Nominal Value     | Unit               | Test Method |
| Melting Temperature <sup>1</sup>             | 220               | °C                 | ISO 11357-3 |
| Injection                                    | Nominal Value     | Unit               |             |
| Drying Temperature                           | 80.0              | °C                 |             |
| Drying Time                                  | 4.0 to 8.0        | hr                 |             |
| Rear Temperature                             | 230 to 235        | °C                 |             |
| Middle Temperature                           | 235 to 250        | °C                 |             |
| Front Temperature                            | 240 to 260        | °C                 |             |
| Nozzle Temperature                           | 240 to 270        | °C                 |             |
| Processing (Melt) Temp                       | 240 to 275        | °C                 |             |
| Mold Temperature                             | 50.0 to 80.0      | °C                 |             |
| Injection Rate                               | Moderate-Fast     |                    |             |
| Back Pressure                                | 3.00 to 10.0      | MPa                |             |
| Screw Compression Ratio                      | 2.5:1.0           |                    |             |
| NOTE   |                   |                    |             |
| 1.   | 10°C/min          |                    |             |

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## Recommended distributors for this material

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