

# CP PRYME® Nylon 66 NN102MD

Polyamide 66  
Chase Plastics Services Inc.

Message:  
CP PRYME® Nylon 66 NN102MD is a Polyamide 66 (Nylon 66) product. It is available in North America. Primary characteristic: lubricated.

| General Information                   |                                     |             |                   |             |
|---------------------------------------|-------------------------------------|-------------|-------------------|-------------|
| Additive                              | Molybdenum Disulfide Lubricant (2%) |             |                   |             |
| Features                              | Lubricated                          |             |                   |             |
| Forms                                 | Pellets                             |             |                   |             |
| Physical                              | Dry                                 | Conditioned | Unit              | Test Method |
| Density                               | 1.16                                | --          | g/cm <sup>3</sup> | ISO 1183    |
| Water Absorption                      |                                     |             |                   | ISO 62      |
| Saturation, 23°C                      | 8.5                                 | --          | %                 |             |
| Equilibrium, 23°C, 50% RH             | 2.3                                 | --          | %                 |             |
| Mechanical                            | Dry                                 | Conditioned | Unit              | Test Method |
| Tensile Modulus                       | 3590                                | 1520        | MPa               | ISO 527-2   |
| Tensile Stress (Yield)                | 95.1                                | 60.0        | MPa               | ISO 527-2   |
| Tensile Strain (Yield)                | 3.5                                 | 20          | %                 | ISO 527-2   |
| Nominal Tensile Strain at Break       | 10                                  | 25          | %                 | ISO 527-2   |
| Impact                                | Dry                                 | Conditioned | Unit              | Test Method |
| Charpy Notched Impact Strength (23°C) | 4.7                                 | --          | kJ/m <sup>2</sup> | ISO 179/1eA |
| Thermal                               | Dry                                 | Conditioned | Unit              | Test Method |
| Heat Deflection Temperature           |                                     |             |                   |             |
| 0.45 MPa, Unannealed                  | 230                                 | --          | °C                | ISO 75-2/B  |
| 1.8 MPa, Unannealed                   | 85.0                                | --          | °C                | ISO 75-2/A  |

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