

# LNP™ LUBRICOMP™ RX85514 compound

Polyamide 66  
SABIC Innovative Plastics

Message:

LNP LUBRICOMP RX85514 is a compound based on Nylon 66 resin containing Proprietary Filler(s). Added features of this material include: Internally Lubricated.  
Also known as: LNP\* LUBRICOMP\* Compound PDX-R-85514  
Product reorder name: RX85514

| General Information                            |                     |                   |                     |
|------------------------------------------------|---------------------|-------------------|---------------------|
| Filler / Reinforcement                         | Proprietary packing |                   |                     |
| Additive                                       | Lubricant           |                   |                     |
| Features                                       | Lubrication         |                   |                     |
| Physical                                       | Nominal Value       | Unit              | Test Method         |
| Specific Gravity                               | 1.27                | g/cm <sup>3</sup> | ASTM D792, ISO 1183 |
| Mechanical                                     | Nominal Value       | Unit              | Test Method         |
| Tensile Strength                               |                     |                   |                     |
| Fracture                                       | 83.4                | MPa               | ASTM D638           |
| Fracture                                       | 78.0                | MPa               | ISO 527-2           |
| Flexural Modulus                               |                     |                   |                     |
| --                                             | 3810                | MPa               | ASTM D790           |
| --                                             | 3570                | MPa               | ISO 178             |
| Impact                                         | Nominal Value       | Unit              | Test Method         |
| Notched Izod Impact                            |                     |                   |                     |
| 23°C                                           | 48                  | J/m               | ASTM D256           |
| -40°C <sup>1</sup>                             | 3.8                 | kJ/m <sup>2</sup> | ISO 180/1A          |
| 23°C <sup>2</sup>                              | 4.8                 | kJ/m <sup>2</sup> | ISO 180/1A          |
| Thermal                                        | Nominal Value       | Unit              | Test Method         |
| Heat Deflection Temperature                    |                     |                   |                     |
| 0.45 MPa, unannealed, 64.0mm span <sup>3</sup> | 158                 | °C                | ISO 75-2/Bf         |
| 1.8 MPa, unannealed, 3.20mm                    | 131                 | °C                | ASTM D648           |
| 1.8 MPa, unannealed, 64.0mm span <sup>4</sup>  | 140                 | °C                | ISO 75-2/Af         |
| NOTE                                           |                     |                   |                     |
| 1.                                             | 80*10*4             |                   |                     |
| 2.                                             | 80*10*4             |                   |                     |
| 3.                                             | 80*10*4 mm          |                   |                     |
| 4.                                             | 80*10*4 mm          |                   |                     |

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