

# LNP™ THERMOTUF™ MX00619 compound

Polypropylene  
SABIC Innovative Plastics

Message:

LNP THERMOTUF MX00619 is a compound based on Polypropylene resin containing Proprietary Filler(s).  
Also known as: LNP\* THERMOTUF\* Compound PDX-M-00619  
Product reorder name: MX00619

| General Information                                              |                   |                   |             |
|------------------------------------------------------------------|-------------------|-------------------|-------------|
| Filler / Reinforcement                                           | Proprietary       |                   |             |
| Processing Method                                                | Injection Molding |                   |             |
| Physical                                                         | Nominal Value     | Unit              | Test Method |
| Specific Gravity                                                 | 0.990             | g/cm <sup>3</sup> | ASTM D792   |
| Molding Shrinkage - Flow (24 hr)                                 | 0.20              | %                 | ASTM D955   |
| Mechanical                                                       | Nominal Value     | Unit              | Test Method |
| Tensile Modulus <sup>1</sup>                                     | 31400             | MPa               | ASTM D638   |
| Tensile Strength (Break)                                         | 37.9              | MPa               | ASTM D638   |
| Tensile Elongation (Break)                                       | 2.6               | %                 | ASTM D638   |
| Flexural Modulus                                                 | 2810              | MPa               | ASTM D790   |
| Flexural Strength                                                | 55.2              | MPa               | ASTM D790   |
| Impact                                                           | Nominal Value     | Unit              | Test Method |
| Notched Izod Impact (23°C)                                       | 91                | J/m               | ASTM D256   |
| Unnotched Izod Impact (23°C)                                     | 340               | J/m               | ASTM D4812  |
| Thermal                                                          | Nominal Value     | Unit              | Test Method |
| Deflection Temperature Under Load (1.8 MPa, Unannealed, 3.20 mm) | 137               | °C                | ASTM D648   |
| Injection                                                        | Nominal Value     | Unit              |             |
| Drying Temperature                                               | 82.2              | °C                |             |
| Drying Time                                                      | 4.0               | hr                |             |
| Rear Temperature                                                 | 193 to 204        | °C                |             |
| Middle Temperature                                               | 216 to 227        | °C                |             |
| Front Temperature                                                | 238 to 249        | °C                |             |
| Processing (Melt) Temp                                           | 227 to 249        | °C                |             |
| Mold Temperature                                                 | 32.2 to 48.9      | °C                |             |
| Back Pressure                                                    | 0.172 to 0.344    | MPa               |             |
| Screw Speed                                                      | 30 to 60          | rpm               |             |
| NOTE                                                             |                   |                   |             |
| 1.                                                               | 50 mm/min         |                   |             |

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