

# Nanjing Hongrui PA66 A201

Polyamide 66

Nanjing Hongrui Engineering Plastics Co., Ltd.

Message:

Nanjing Hongrui PA66 A201 is a Polyamide 66 (Nylon 66) material. It is available in Asia Pacific.

Important attributes of Nanjing Hongrui PA66 A201 are:

Flame Rated

Good Toughness

Impact Resistant

Typical applications include:

Plumbing/Piping/Potable Water

Sporting Goods

| General Information |  |
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|          |                        |
|----------|------------------------|
| Features | Good Toughness         |
|          | High Impact Resistance |
|          |                        |
| Uses     | Piping                 |
|          | Sporting Goods         |

| Physical                                                 | Nominal Value | Unit              | Test Method |
|----------------------------------------------------------|---------------|-------------------|-------------|
| Specific Gravity                                         | 1.08          | g/cm <sup>3</sup> | ASTM D792   |
| Molding Shrinkage - Flow                                 | 1.8           | %                 | ASTM D955   |
| Hardness                                                 | Nominal Value | Unit              | Test Method |
| Rockwell Hardness (R-Scale)                              | 110           |                   | ASTM D785   |
| Mechanical                                               | Nominal Value | Unit              | Test Method |
| Tensile Strength                                         | 45.0          | MPa               | ASTM D638   |
| Tensile Elongation (Break)                               | 100           | %                 | ASTM D638   |
| Flexural Modulus                                         | 1600          | MPa               | ASTM D790   |
| Flexural Strength                                        | 55.0          | MPa               | ASTM D790   |
| Impact                                                   | Nominal Value | Unit              | Test Method |
| Notched Izod Impact (Area)                               | 80.0          | kJ/m <sup>2</sup> | ASTM D256   |
| Thermal                                                  | Nominal Value | Unit              | Test Method |
| Deflection Temperature Under Load (0.45 MPa, Unannealed) | 180           | °C                | ASTM D648   |
| Melting Temperature                                      | 258           | °C                |             |
| Electrical                                               | Nominal Value | Unit              | Test Method |
| Surface Resistivity                                      | 1.0E+13       | ohms              | ASTM D257   |
| Dielectric Strength                                      | 20            | kV/mm             | ASTM D149   |
| Flammability                                             | Nominal Value | Unit              | Test Method |
| Flame Rating                                             | HB            |                   | UL 94       |

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#### Recommended distributors for this material

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