

# Nanjing Hongrui PC C1000

Polycarbonate

Nanjing Hongrui Engineering Plastics Co., Ltd.

Message:

Nanjing Hongrui PC C1000 is a Polycarbonate (PC) material. It is available in Asia Pacific.

Important attributes of Nanjing Hongrui PC C1000 are:

Flame Rated

Flame Retardant

Typical application of Nanjing Hongrui PC C1000: Electrical/Electronic Applications

| General Information |                                    |  |  |
|---------------------|------------------------------------|--|--|
| Additive            | Flame Retardant                    |  |  |
| Features            | Flame Retardant                    |  |  |
| Uses                | Connectors                         |  |  |
|                     | Electrical/Electronic Applications |  |  |

| Physical                 | Nominal Value | Unit  | Test Method |
|--------------------------|---------------|-------|-------------|
| Specific Gravity         | 1.25          | g/cm³ | ASTM D792   |
| Molding Shrinkage - Flow | 0.50          | %     | ASTM D955   |

| Hardness                    | Nominal Value | Unit | Test Method |
|-----------------------------|---------------|------|-------------|
| Rockwell Hardness (R-Scale) | 110           |      | ASTM D785   |

| Mechanical                 | Nominal Value | Unit | Test Method |
|----------------------------|---------------|------|-------------|
| Tensile Strength           | 70.0          | MPa  | ASTM D638   |
| Tensile Elongation (Break) | 3.0           | %    | ASTM D638   |
| Flexural Modulus           | 2500          | MPa  | ASTM D790   |
| Flexural Strength          | 100           | MPa  | ASTM D790   |

| Impact                     | Nominal Value | Unit  | Test Method |
|----------------------------|---------------|-------|-------------|
| Notched Izod Impact (Area) | 10.0          | kJ/m² | ASTM D256   |

| Thermal                                                  | Nominal Value | Unit | Test Method |
|----------------------------------------------------------|---------------|------|-------------|
| Deflection Temperature Under Load (0.45 MPa, Unannealed) | 135           | °C   | ASTM D648   |

| Electrical          | Nominal Value | Unit  | Test Method |
|---------------------|---------------|-------|-------------|
| Surface Resistivity | 1.0E+14       | ohms  | ASTM D257   |
| Dielectric Strength | 16            | kV/mm | ASTM D149   |

| Flammability | Nominal Value | Unit | Test Method |
|--------------|---------------|------|-------------|
| Flame Rating | V-0           |      | UL 94       |

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