

# Nanjing Hongrui PC CT306

Polycarbonate Alloy

Nanjing Hongrui Engineering Plastics Co., Ltd.

## Message:

Nanjing Hongrui PC CT306 is a Polycarbonate Alloy (PC Alloy) material filled with 30% glass fiber. It is available in Asia Pacific. Primary attribute of Nanjing Hongrui PC CT306: Flame Rated.

Typical application of Nanjing Hongrui PC CT306: Engineering/Industrial Parts

| General Information                                      |                                  |                   |             |
|----------------------------------------------------------|----------------------------------|-------------------|-------------|
| Filler / Reinforcement                                   | Glass Fiber,30% Filler by Weight |                   |             |
| Uses                                                     | Machine/Mechanical Parts         |                   |             |
| Physical                                                 | Nominal Value                    | Unit              | Test Method |
| Specific Gravity                                         | 1.38                             | g/cm <sup>3</sup> | ASTM D792   |
| Molding Shrinkage - Flow                                 | 0.40                             | %                 | ASTM D955   |
| Hardness                                                 | Nominal Value                    | Unit              | Test Method |
| Rockwell Hardness (R-Scale)                              | 120                              |                   | ASTM D785   |
| Mechanical                                               | Nominal Value                    | Unit              | Test Method |
| Tensile Strength                                         | 90.0                             | MPa               | ASTM D638   |
| Tensile Elongation (Break)                               | 3.0                              | %                 | ASTM D638   |
| Flexural Modulus                                         | 4500                             | MPa               | ASTM D790   |
| Flexural Strength                                        | 100                              | MPa               | ASTM D790   |
| Impact                                                   | Nominal Value                    | Unit              | Test Method |
| Notched Izod Impact (Area)                               | 12.0                             | kJ/m <sup>2</sup> | ASTM D256   |
| Thermal                                                  | Nominal Value                    | Unit              | Test Method |
| Deflection Temperature Under Load (0.45 MPa, Unannealed) | 230                              | °C                | ASTM D648   |
| 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

### Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China



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