

# Cheng Yu N6CV2

Polyamide 6

Cheng Yu Plastic Company Limited

## Message:

Cheng Yu N6CV2 is a polyamide 6 (nylon 6) product, which contains 20% mineral fillers. It is available in the Asia-Pacific region.

Features include:

flame retardant/rated flame

High stiffness

| General Information                                      |                                      |                   |             |
|--|--------------------------------------|-------------------|-------------|
| Filler / Reinforcement                                   | Mineral filler, 20% filler by weight |                   |             |
| Features   | Rigidity, high                       |                   |             |
| Physical   | Nominal Value                        | Unit              | Test Method |
| Specific Gravity   | 1.37                                 | g/cm <sup>3</sup> | ASTM D792   |
| Molding Shrinkage - Flow                                 | 1.1 - 1.3                            | %                 | ASTM D955   |
| Water Absorption (Saturation)                            | 1.0 - 2.0                            | %                 | ASTM D570   |
| Hardness   | Nominal Value                        | Unit              | Test Method |
| Rockwell Hardness (M-Scale)                              | 93                                   |                   | ASTM D785   |
| Mechanical   | Nominal Value                        | Unit              | Test Method |
| Tensile Strength   | 75.0                                 | MPa               | ASTM D638   |
| Flexural Strength  | 125                                  | MPa               | ASTM D790   |
| Impact   | Nominal Value                        | Unit              | Test Method |
| Unnotched Izod Impact (23°C)                             | 54                                   | J/m               | 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+17                              | ohms              | ASTM D257   |
| Dielectric Constant (60 Hz)                              | 3.50                                 |                   | ASTM D150   |
| Flammability   | Nominal Value                        | Unit              | Test Method |
| Flame Rating (1.5 mm)                                    | V-0                                  |                   | UL 94       |

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## Recommended distributors for this material

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