

# Cheng Yu E500G10

Polycarbonate + PET

Cheng Yu Plastic Company Limited

## Message:

Cheng Yu E500G10 is a Polycarbonate + PET (PC+PET) product filled with 10% glass fiber. It is available in Asia Pacific. Primary characteristic: flame rated.

| General Information                                      |                                  |                   |             |
|--|----------------------------------|-------------------|-------------|
| Filler / Reinforcement                                   | Glass Fiber,10% Filler by Weight |                   |             |
| Physical   | Nominal Value                    | Unit              | Test Method |
| Specific Gravity   | 1.27                             | g/cm <sup>3</sup> | ASTM D792   |
| Molding Shrinkage - Flow                                 | 0.20 to 0.40                     | %                 | ASTM D955   |
| Water Absorption (Saturation)                            | 0.70                             | %                 | ASTM D570   |
| Hardness   | Nominal Value                    | Unit              | Test Method |
| Rockwell Hardness (M-Scale)                              | 85                               |                   | ASTM D785   |
| Mechanical   | Nominal Value                    | Unit              | Test Method |
| Tensile Strength   | 78.0                             | MPa               | ASTM D638   |
| Flexural Strength  | 130                              | MPa               | ASTM D790   |
| Impact   | Nominal Value                    | Unit              | Test Method |
| Unnotched Izod Impact (23°C)                             | 780                              | J/m               | ASTM D256   |
| Thermal  | Nominal Value                    | Unit              | Test Method |
| Deflection Temperature Under Load (0.45 MPa, Unannealed) | 140                              | °C                | ASTM D648   |
| Flammability   | Nominal Value                    |                   | Test Method |
| Flame Rating (1.50 mm)                                   | HB                               |                   | UL 94       |

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## Recommended distributors for this material

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