

# Cheng Yu E2315

Polyethylene Terephthalate  
Cheng Yu Plastic Company Limited

Message:

Cheng Yu E2315 is a Polyethylene Terephthalate (PET) product filled with 15% glass fiber. It is available in Asia Pacific.  
Characteristics include:  
Flame Rated  
Flame Retardant

| General Information                                      |                                  |                   |             |
|--|----------------------------------|-------------------|-------------|
| Filler / Reinforcement                                   | Glass Fiber,15% Filler by Weight |                   |             |
| Features   | Flame Retardant                  |                   |             |
| Forms  | Pellets                          |                   |             |
| Physical   | Nominal Value                    | Unit              | Test Method |
| Specific Gravity   | 1.55                             | g/cm <sup>3</sup> | ASTM D792   |
| Molding Shrinkage  |                                  |                   | ASTM D955   |
| Flow   | 0.30                             | %                 |             |
| Across Flow  | 1.2                              | %                 |             |
| Hardness   | Nominal Value                    | Unit              | Test Method |
| Rockwell Hardness (M-Scale)                              | 120                              |                   | ASTM D785   |
| Mechanical   | Nominal Value                    | Unit              | Test Method |
| Tensile Strength   | 1.06                             | MPa               | ASTM D638   |
| Flexural Strength  | 1.64                             | MPa               | ASTM D790   |
| Impact   | Nominal Value                    | Unit              | Test Method |
| Notched Izod Impact (23°C)                               | 86                               | J/m               | ASTM D256   |
| Thermal  | Nominal Value                    | Unit              | Test Method |
| Deflection Temperature Under Load (0.45 MPa, Unannealed) | 235                              | °C                | ASTM D648   |
| Flammability   | Nominal Value                    |                   | Test Method |
| Flame Rating   | V-0                              |                   | UL 94       |

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