

# Cheng Yu VH823

Acrylonitrile Butadiene Styrene  
Cheng Yu Plastic Company Limited

Message:

Cheng Yu VH823 is an acrylonitrile butadiene styrene (ABS) product. It is available in the Asia-Pacific region.  
Features include:  
flame retardant/rated flame  
Impact resistance

| General Information                                      |                         |          |             |
|--|-------------------------|----------|-------------|
| UL YellowCard  | E159271-224188          |          |             |
| Features   | Impact resistance, high |          |             |
| Physical   | Nominal Value           | Unit     | Test Method |
| Specific Gravity   | 1.20                    | g/cm³    | ASTM D792   |
| Melt Mass-Flow Rate (MFR)                                | 5.0 - 8.0               | g/10 min | ASTM D1238  |
| Molding Shrinkage - Flow                                 | 0.30 - 0.50             | %        | ASTM D955   |
| Hardness   | Nominal Value           | Unit     | Test Method |
| Rockwell Hardness (M-Scale)                              | 102                     |          | ASTM D785   |
| Mechanical   | Nominal Value           | Unit     | Test Method |
| Tensile Strength   | 40.0                    | MPa      | ASTM D638   |
| Flexural Strength  | 100                     | MPa      | ASTM D790   |
| Impact   | Nominal Value           | Unit     | Test Method |
| Unnotched Izod Impact (23°C)                             | 220                     | J/m      | ASTM D256   |
| Thermal  | Nominal Value           | Unit     | Test Method |
| Deflection Temperature Under Load (0.45 MPa, Unannealed) | 93.0                    | °C       | ASTM D648   |
| Flammability   | Nominal Value           |          | Test Method |
| Flame Rating (1.60 mm)                                   | V-0                     |          | UL 94       |

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