

# APEX® 80862

Semi-Rigid Polyvinyl Chloride

Teknor Apex Company

## Message:

APEX® 80862 is a Semi-Rigid Polyvinyl Chloride material. It is available in Africa & Middle East, Asia Pacific, Europe, Latin America, or North America. Important attributes of APEX® 80862 are:  
RoHS Compliant  
Heat Resistant  
Rigid  
Typical application of APEX® 80862: Wire & Cable

| General Information                  |                      |                   |             |
|--------------------------------------|----------------------|-------------------|-------------|
| Features                             | High Heat Resistance |                   |             |
|                                      | Semi Rigid           |                   |             |
| Uses                                 | Cable Jacketing      |                   |             |
|                                      | Insulation           |                   |             |
| Agency Ratings                       | UL 1061              |                   |             |
|                                      | UL 1424              |                   |             |
| RoHS Compliance                      | RoHS Compliant       |                   |             |
| Appearance                           | Opaque               |                   |             |
| Forms                                | Pellets              |                   |             |
| Physical                             | Nominal Value        | Unit              | Test Method |
| Specific Gravity                     | 1.30                 | g/cm <sup>3</sup> | ASTM D792   |
| Hardness                             | Nominal Value        | Unit              | Test Method |
| Durometer Hardness (Shore C, 10 sec) | 90                   |                   | ASTM D2240  |
| Mechanical                           | Nominal Value        | Unit              | Test Method |
| Tensile Strength (Break)             | 23.8                 | MPa               | ASTM D638   |
| Tensile Elongation (Break)           | 330                  | %                 | ASTM D638   |
| Thermal                              | Nominal Value        | Unit              | Test Method |
| Continuous Use Temperature           | 105                  | °C                | ASTM D794   |
| Brittleness Temperature              | -28.0                | °C                | ASTM D746   |
| Electrical                           | Nominal Value        | Unit              | Test Method |
| Dielectric Constant                  |                      |                   | ASTM D150   |
| 1 kHz                                | 3.64                 |                   |             |
| 1 MHz                                | 2.98                 |                   |             |
| Dissipation Factor                   |                      |                   | ASTM D150   |
| 1 kHz                                | 0.059                |                   |             |
| 1 MHz                                | 0.031                |                   |             |
| Flammability                         | Nominal Value        | Unit              | Test Method |

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#### Recommended distributors for this material

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