

# APEX® 582

Flexible Polyvinyl Chloride

Teknor Apex Company

## Message:

Applications include tubing, sheet and film, wire coating, and strip doors.

| General Information                  |                   |                   |             |
|--------------------------------------|-------------------|-------------------|-------------|
| Features                             | General Purpose   |                   |             |
| Uses                                 | Connectors        |                   |             |
|                                      | Grommets          |                   |             |
|                                      | Strain Reliefs    |                   |             |
|                                      | Tubing            |                   |             |
|                                      | Wire Jacketing    |                   |             |
| Wire Types                           | SPT               |                   |             |
| Agency Ratings                       | UL 498            |                   |             |
|                                      | UL 62             |                   |             |
| RoHS Compliance                      | RoHS Compliant    |                   |             |
| Appearance                           | Clear/Transparent |                   |             |
| Forms                                | Pellets           |                   |             |
| Processing Method                    | Injection Molding |                   |             |
| Physical                             | Nominal Value     | Unit              | Test Method |
| Specific Gravity                     | 1.16              | g/cm <sup>3</sup> | ASTM D792   |
| Hardness                             | Nominal Value     | Unit              | Test Method |
| Durometer Hardness (Shore A, 15 sec) | 65                |                   | ASTM D2240  |
| Mechanical                           | Nominal Value     | Unit              | Test Method |
| Tensile Strength (Break)             | 12.1              | MPa               | ASTM D638   |
| Tensile Elongation (Break)           | 450               | %                 | ASTM D638   |
| Thermal                              | Nominal Value     | Unit              | Test Method |
| Continuous Use Temperature           | 60.0              | °C                | ASTM D794   |
| Brittleness Temperature              | -44.0             | °C                | ASTM D746   |

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