



# Vital-Line SHE4800

Teknor Apex Asia Pacific PTE. LTD. - Flexible Polyvinyl Chloride

## General Information

### Product Description

Vital-Line SHE4800 is a Polyvinyl Chloride Medical Extrusion Compound available in pellet form.

### General

|                   |                                   |
|-------------------|-----------------------------------|
| Material Status   | • Commercial: Active              |
| Availability      | • Asia Pacific                    |
| Features          | • Ethylene Oxide Sterilizable     |
| Uses              | • Medical/Healthcare Applications |
| Forms             | • Pellets                         |
| Processing Method | • Extrusion                       |

## ASTM & ISO Properties <sup>1</sup>

| Physical                              | Nominal Value | Unit | Test Method   |
|---------------------------------------|---------------|------|---------------|
| Density / Specific Gravity            | 1.23          |      | ASTM D792     |
| Mechanical                            | Nominal Value | Unit | Test Method   |
| Tensile Strength <sup>2</sup> (Yield) | 3050          | psi  | ASTM D638     |
| Tensile Elongation (Break)            | 380           | %    | ASTM D638     |
| Hardness                              | Nominal Value | Unit | Test Method   |
| Durometer Hardness                    | 76            |      | ASTM D2240    |
| Thermal                               | Nominal Value | Unit | Test Method   |
| Heat Stability (374°F)                | > 30.0        | min  | ASTM D2115-92 |

### Additional Information

Typical temperature profile for processing compound is from 145°C to 180°C. The Optimum temperatures depend on the type of machine as well as screw design being used to process.

Feeding Zone: 145°C

Mixing Zone: 150°C to 170°C

Nozzle/Die Zone: 150°C to 180°C

### Notes

<sup>1</sup> Typical properties: these are not to be construed as specifications.

<sup>2</sup> 20 in/min