



# Vital-Line SHE6001

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

## General Information

### Product Description

Vital-Line SHE 6001 is a Polyvinyl Chloride Medical Extrusion Compound available in pellet form.

### General

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

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

| Physical                              | Nominal Value | Unit | Test Method   |
|---------------------------------------|---------------|------|---------------|
| Density / Specific Gravity            | 1.21          |      | ASTM D792     |
| Mechanical                            | Nominal Value | Unit | Test Method   |
| Tensile Strength <sup>2</sup> (Yield) | 2320          | psi  | ASTM D638     |
| Tensile Elongation (Break)            | 360           | %    | ASTM D638     |
| Hardness                              | Nominal Value | Unit | Test Method   |
| Durometer Hardness (Shore A, 10 sec)  | 68            |      | 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 135°C to 165°C. The optimum temperatures depend on the type of machine as well as screw design being used to process.

Feeding zone 135°C

Compression zone 140°C ~ 150°C

Mixing zone 150°C ~ 160°C

Nozzle / Die zone 150°C ~ 165°C

### Notes

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

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