



# Vital-Line SHE3681

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

## General Information

### Product Description

Vital-Line SHE 3681 is a Polyvinyl Chloride Medical Extrusion Compound available in pellet form.

### General

|                   |                                                                         |
|-------------------|-------------------------------------------------------------------------|
| Material Status   | • Commercial: Active                                                    |
| Availability      | • Asia Pacific                                                          |
| Features          | • Ethylene Oxide Sterilizable • Good Flexibility • 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           | 1.24          |      | ASTM D792     |
| Mechanical                           | Nominal Value | Unit | Test Method   |
| Tensile Strength <sup>2</sup>        | 3340          | psi  | ASTM D638     |
| Tensile Elongation (Break)           | 260           | %    | ASTM D638     |
| Hardness                             | Nominal Value | Unit | Test Method   |
| Durometer Hardness (Shore A, 10 sec) | 88            |      | ASTM D2240    |
| Thermal                              | Nominal Value | Unit | Test Method   |
| Heat Stability - Oven (374°F)        | > 30.0        | min  | ASTM D2115-92 |

### Additional Information

Typical temperature profile for processing compound is from 140°C to 185°C. The optimum temperatures depend on the type of machine as well as screw design being used to process.

Feeding zone 140°C

Compression zone 145°C ~ 165°C

Mixing zone 155°C ~ 185°C

Nozzle / Die zone 165°C ~ 185°C

### Notes

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

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