



# Vital-Line SHE15085

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

## General Information

### Product Description

Vital-Line SHE 15085 is a Polyvinyl Chloride Medical Extrusion Compound available in granular form.

### General

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

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

| Physical                              | Nominal Value | Unit | Test Method   |
|---------------------------------------|---------------|------|---------------|
| Density / Specific Gravity            | 1.14          |      | ASTM D792     |
| Mechanical                            | Nominal Value | Unit | Test Method   |
| Tensile Strength <sup>2</sup> (Yield) | 1310          | psi  | ASTM D638     |
| Tensile Elongation (Break)            | 250           | %    | ASTM D638     |
| Hardness                              | Nominal Value | Unit | Test Method   |
| Durometer Hardness (Shore A)          | 43            |      | ASTM D2240    |
| Thermal                               | Nominal Value | Unit | Test Method   |
| Heat Stability (374°F)                | > 30.0        |      | ASTM D2115-92 |

### Additional Information

Typical temperature profile for processing compound is from 135oC to 175oC. The optimum temperatures depend on the type of machine as well as screw design being used to process.

Feeding zone 135°C

Compression zone 145°C ~ 155°C

Mixing zone 155°C ~ 165°C

Nozzle / Die zone 165°C ~ 175°C

### Notes

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

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