



# Vital-Line SHE4520G

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

## General Information

### Product Description

Vital-Line SHE 4520G is a Polyvinyl Chloride Medical Extrusion Compound available in pellet form.

### General

|                   |                                                                           |
|-------------------|---------------------------------------------------------------------------|
| Material Status   | • Commercial: Active                                                      |
| Availability      | • Asia Pacific                                                            |
| Features          | • DEHP Plasticizer • Ethylene Oxide Sterilizable • Radiation Sterilizable |
| Uses              | • Tubing                                                                  |
| 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 (Yield)     | 2610          | psi  | ASTM D638     |
| Tensile Elongation (Break)   | 350           | %    | ASTM D638     |
| Hardness                     | Nominal Value | Unit | Test Method   |
| Durometer Hardness (Shore A) | 78            |      | 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 140°C to 180°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 150°C ~ 175°C

Nozzle / Die zone 155°C ~ 180°C

### Notes

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