



# Vital-Line SHE5240G

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

## General Information

### General

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

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

| Physical                              | Nominal Value | Unit | Test Method   |
|---------------------------------------|---------------|------|---------------|
| Density / Specific Gravity            | 1.20 to 1.24  |      | ASTM D792     |
| Mechanical                            | Nominal Value | Unit | Test Method   |
| Tensile Strength <sup>2</sup> (Yield) | > 2130        | psi  | ASTM D638     |
| Tensile Elongation (Break)            | > 250         | %    | ASTM D638     |
| Hardness                              | Nominal Value | Unit | Test Method   |
| Durometer Hardness (Shore A)          | 71 to 77      |      | 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 135°C to 180°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: 145°C~155°C

Mixing zone: 155°C~175°C

Nozzle/Die Zone: 165°C~180°C

### Notes

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

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