

# Vital-Line SHE6005G

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

Thursday, August 29, 2019

## General Information

### General

|                   |   |
|-------------------|---|
| Material Status   | • Commercial: Active                                      |
| Availability      | • Asia Pacific  |
| Features          | • Ethylene Oxide Sterilizable • Non-Phthalate 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            | 1.19 to 1.23  |      | ASTM D792     |
| Mechanical                            | Nominal Value | Unit | Test Method   |
| Tensile Strength <sup>2</sup> (Yield) | > 1850        | psi  | ASTM D638     |
| Tensile Elongation (Break)            | > 280         | %    | ASTM D638     |
| Hardness                              | Nominal Value | Unit | Test Method   |
| Durometer Hardness (Shore A)          | 73 to 79      |      | 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~165°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

Revision Date: 12/22/2012

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