



# Vital-Line SHE3660K

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

## General Information

### Product Description

Vital-Line SHE 3660K is a Polyvinyl Chloride Medical Extrusion Compound available in pellet form. It provides Good ETO Stability performance suitable for Medical Devices.

### General

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

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

| Physical                              | Nominal Value | Unit | Test Method   |
|---------------------------------------|---------------|------|---------------|
| Density / Specific Gravity            | 1.25          |      | ASTM D792     |
| Mechanical                            | Nominal Value | Unit | Test Method   |
| Tensile Strength <sup>2</sup> (Yield) | 2610          | psi  | ASTM D638     |
| Tensile Elongation (Break)            | 280           | %    | ASTM D638     |
| Hardness                              | Nominal Value | Unit | Test Method   |
| Durometer Hardness (Shore A)          | 85            |      | 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 compounding is from 145oC to 185oC. The optimum temperatures depend on the type of machine as well as screw design being used to process.

Feeding zone: 145oC

Compression zone: 150oC to 165oC

Mixing zone: 160oC to 175oC

Nozzle/Die zone: 165oC to 180oC

### Notes

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

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