



# Vital-Line SHE7201F2

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

## General Information

### Product Description

Vital-Line SHE 7201F1 is a Polyvinyl Chloride Medical Extrusion Compound available in pellet form.

### General

|                   |                                                      |
|-------------------|------------------------------------------------------|
| Material Status   | • Commercial: Active                                 |
| Availability      | • Asia Pacific                                       |
| Features          | • Ethylene Oxide Sterilizable • Non-DEHP 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    | 1.17          |      | ASTM D792   |
| Mechanical                    | Nominal Value | Unit | Test Method |
| Tensile Strength <sup>2</sup> | 1600          | psi  | ASTM D638   |
| Tensile Elongation (Break)    | 300           | %    | ASTM D638   |
| Hardness                      | Nominal Value | Unit | Test Method |
| Durometer Hardness (Shore A)  | 55            |      | ASTM D2240  |
| Thermal                       | Nominal Value | Unit | Test Method |
| Heat Stability - Oven (374°F) | > 30.0        | min  | ASTM D2115  |

### Additional Information

Typical temperature profile for processing compound is from 145°C to 165°C. The optimum temperatures depend on the type of machine as well as screw design being used to process.

Feeding zone 145°C

Compression zone 145°C ~ 155°C

Mixing zone 150°C ~ 160°C

Nozzle / Die zone 160°C ~ 165°C

### Notes

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

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