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TEKNOR APEX

# Vital-Line SHE8002G

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

### General Information

**Product Description**

Vital-Line SHE 8002G is a Polyvinyl Chloride Medical Extrusion Compound available in pellet form.

**General**

| | | | |
|---|---|---|---|
| Material Status | • Preliminary Data | | |
| Availability | • Asia Pacific | | |
| Features | • Ethylene Oxide Sterilizable | • Non-DEHP Plasticizer | • Radiation (Gamma) Resistant |
| Uses | • Medical/Healthcare Applications | | |
| Forms | • Pellets | | |
| Processing Method | • Extrusion | • Injection Molding | |

### ASTM & ISO Properties [1]

| Physical | Nominal Value | Unit | Test Method |
|---|---|---|---|
| Density / Specific Gravity | 1.21 | | ASTM D792 |
| **Mechanical** | **Nominal Value** | **Unit** | **Test Method** |
| Tensile Strength [2] (Yield) | 1890 | psi | ASTM D638 |
| Tensile Elongation (Break) | 450 | % | ASTM D638 |
| **Hardness** | **Nominal Value** | **Unit** | **Test Method** |
| Durometer Hardness (Shore A) | 53 | | 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 125ºC to 160oC. The optimum temperatures depend on the type of machine as well as screw design being used to process.
Feeding zone: 125ºC
Compression zone: 130 ºC to 145ºC
Mixing zone: 140ºC to 155ºC
Nozzle/Die zone: 150ºC to 170ºC

### Notes

[1] Typical properties: these are not to be construed as specifications.

[2] 20 in/min