

Vital-Line SHE4502

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

Thursday, August 29, 2019

General Information

Product Description

Vital-Line SHE 4502 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 • Tubing |
| Forms | • Pellets |
| Processing Method | • Extrusion |

ASTM & ISO Properties ¹

| Physical | Nominal Value | Unit | Test Method |
|-------------------------------|---------------|------|---------------|
| Density / Specific Gravity | 1.26 | | ASTM D792 |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Strength ² | 2900 | psi | ASTM D638 |
| Tensile Elongation (Break) | 320 | % | ASTM D638 |
| Hardness | Nominal Value | Unit | Test Method |
| Durometer Hardness (Shore A) | 78 | | 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 145°C to 180°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 ~ 170°C
 Nozzle / Die zone 160°C ~ 180°C

Notes

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

² 20 in/min

Revision Date: 1/3/2017

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