

Vital-Line SHM3408

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

Thursday, August 29, 2019

General Information

Product Description

Vital-Line SHM 3408 is a non-phthalate Polyvinyl Chloride Medical Molding Compound available in pellet form. It provides ETO Stability performance suitable for Medical Devices.

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 ¹

| Physical | Nominal Value | Unit | Test Method |
|-------------------------------|---------------|------|---------------|
| Density / Specific Gravity | 1.26 | | ASTM D792 |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Strength ² | 1740 | psi | ASTM D638 |
| Tensile Elongation (Break) | 200 | % | ASTM D638 |
| Hardness | Nominal Value | Unit | Test Method |
| Durometer Hardness (Shore A) | 90 | | 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 150oC to 185oC. The optimum temperatures depend on the type of machine as well as screw design being used to process.

Feeding zone: 150oC
 Barrel zone: 160oC to 175oC
 Nozzle zone: 170oC to 185oC
 Mold temperature: 0oC to 50oC

Notes

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

² 20 in/min

Revision Date: 3/22/2015

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