

## - Flexible Polyvinyl Chloride

Friday, June 30, 2017

### General Information

#### Product Description

Vital-Line SHE 6000 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	• DEHP Plasticizer • Ethylene Oxide Sterilizable
Uses	• Medical/Healthcare Applications
Forms	• Pellets
Processing Method	• Extrusion

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

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.20		ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength <sup>2</sup> (Yield)	1890	psi	ASTM D638
Tensile Elongation (Break)	300	%	ASTM D638
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A, 10 sec)	67		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 135°C to 180°C. The optimum temperatures depend on the type of machine as well as screw design being used to process.

Feeding zone: 135°C

Compression zone: 145°C to 155°C

Mixing zone: 155°C to 170°C

Nozzle/Die zone: 160°C to 180°C

#### Notes

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

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

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