

- Flexible Polyvinyl Chloride

Friday, June 30, 2017

General Information

Product Description

Vital-Line SHE5240A provides Good ETO stability performance suitable for Medical Devices.

General

Material Status	• Commercial: Active
Availability	• Asia Pacific
Features	• Ethylene Oxide Sterilizable
Uses	• Medical/Healthcare Applications
Forms	• Granules
Processing Method	• Extrusion

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.20		ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	1230	psi	ASTM D638
Tensile Elongation (Break)	320	%	ASTM D638
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	71		ASTM D2240
Thermal	Nominal Value	Unit	Test Method
Heat Stability (374°F)	> 30.0	min	ASTM D2115-92

Additional Information

Typical temperature profile for PVC compound is from 130°C to 170°C. The optimum temperatures depend on the type of machine as well as screw design being used to process.

- Feeding zone: 130°C
- Mixing zone: 140°C~150°C
- Metering zone: 145°C~165°C
- Nozzle/Die Zone: 155°C~170°C

Notes

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

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Revision Date: 7/6/2015

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