

# Vital-Line SHE4520G

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

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## General Information

### Product Description

Vital-Line SHE 4520G is a Polyvinyl Chloride Medical Extrusion Compound available in pellet form.

### General

Material Status	• Commercial: Active
Availability	• Asia Pacific
Features	• DEHP Plasticizer • Ethylene Oxide Sterilizable • Radiation Sterilizable
Uses	• Tubing
Forms	• Pellets
Processing Method	• Extrusion

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

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.23		ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	2610	psi	ASTM D638
Tensile Elongation (Break)	350	%	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 140°C to 180°C. The optimum temperatures depend on the type of machine as well as screw design being used to process.

Feeding zone 140°C  
 Compression zone 145°C ~ 165°C  
 Mixing zone 150°C ~ 175°C  
 Nozzle / Die zone 155°C ~ 180°C

### Notes

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

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