

# Vital-Line SHE8255

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

Thursday, August 29, 2019

## General Information

### Product Description

Vital-Line SHE 8255 is a Non-phthalate Polyvinyl Chloride Extrusion Compound available in pellet form.

### General

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

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

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.18		ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength <sup>2</sup> (Yield)	2320	psi	ASTM D638
Tensile Elongation (Break)	340	%	ASTM D638
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A, 10 sec)	66		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 145oC to 180oC. The optimum temperatures depend on the type of machine as well as screw design being used to process.

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

### Notes

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

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

Revision Date: 2/25/2016

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