

# Vital-Line SHM5505

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

Thursday, August 29, 2019

## General Information

### General

Material Status	• Commercial: Active
Availability	• Asia Pacific
Features	• Non-Phthalate Plasticizer
Uses	• Medical/Healthcare Applications
Forms	• Granules
Processing Method	• Injection Molding

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

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.20 to 1.24		ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength <sup>2</sup> (Yield)	> 1710	psi	ASTM D638
Tensile Elongation (Break)	370	%	ASTM D638
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	72 to 78		ASTM D2240
Thermal	Nominal Value	Unit	Test Method
Heat Stability - Oven (374°F)	> 30.0	min	ASTM D2115-92

### Additional Information

Typical temperature profile for processing compound 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

Mixing zone: 140°C~165°C

Nozzle/Die zone: 160°C~180°C

Mould temperature: 0°C~50°C

### Notes

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

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

Revision Date: 10/7/2014

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