

# Vital-Line SMM3707

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

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## General Information

### Product Description

Vital-Line SMM 3707 provides ETO stability.

### General

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

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

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.33		ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength <sup>2</sup> (Yield)	5080	psi	ASTM D638
Tensile Elongation (Break)	100	%	ASTM D638
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	78		ASTM D2240
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	176	°F	ASTM D1525
Heat Stability - Oven (374°F)	> 30.0	min	ASTM D2115-92

### Additional Information

Typical temperature profile for processing compound is from 145°C to 180°C. The optimum temperatures depend on the type of machine as well as screw design being used to process.

Feeding zone: 145°C

Barrel zone: 150°C~170°C

Nozzle zone: 170°C~185°C

Mould temperature: 0°C~50°C

### Notes

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

<sup>2</sup> 2.0 in/min

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