

# Vital-Line SHM3408

Flexible Polyvinyl Chloride

Teknor Apex Asia Pacific PTE. LTD.

## Message:

Vital-Line SHM 3408 is a non-phthalate Polyvinyl Chloride Medical Molding Compound available in pellet form. It provides ETO Stability performance suitable for Medical Devices.

General Information			
Features	Non-phthalate plasticizer Ethylene oxide disinfection		
Uses	Medical/nursing supplies		
Forms	Particle		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.26	g/cm <sup>3</sup>	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	90		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength <sup>1</sup>	12.0	MPa	ASTM D638
Tensile Elongation (Break)	200	%	ASTM D638
Thermal	Nominal Value	Unit	Test Method
Thermal Stability <sup>2</sup> (190°C)	> 30.0	min	ASTM D2115-92

Additional Information			
Typical temperature profile for processing compounding is from 150oC to 185oC. The optimum temperatures depend on the type of machine as well as screw design being used to process. Feeding zone: 150oC Barrel zone: 160oC to 175oC Nozzle zone: 170oC to 185oC Mold temperature: 0oC to 50oC			

NOTE	
1.	500 mm/min
2.	Congo red

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**Susheng Import & Export Trading Co.,Ltd.**

Tel: +86 21 5895 8519  
Phone: +86 13424755533  
Email: sales@su-jiao.com  
No. 215, Lianhe North Road, Fengxian District, Shanghai, China

