

# Vital-Line SHM7005

Flexible Polyvinyl Chloride

Teknor Apex Asia Pacific PTE. LTD.

## Message:

Vital-Line SHM7005 is a flexible polyvinyl chloride material. This product is available in the Asia-Pacific region and is processed by injection molding. The main features of Vital-Line SHM7005 are:

- sterilizable
- plasticization

Typical application areas include:

- food contact applications
- medical/health care

General Information			
Features	Non-phthalate plasticizer		
	Ethylene oxide disinfection		
Uses	Non-specific food applications		
	Medical/nursing supplies		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.19	g/cm <sup>3</sup>	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	57 - 63		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength <sup>1</sup> (Yield)	> 5.88	MPa	ASTM D638
Tensile Elongation (Break)	> 250	%	ASTM D638
Thermal	Nominal Value	Unit	Test Method
Thermal stability-Oven (190°C)	> 30.0	min	ASTM D2115-92
Additional Information			
Typical temperature profile for processing compound is from 125°C to 170°C. The optimum temperatures depend on the type of machine as well as screw design being used to process.Feeding zone: 125°CMixing zone: 130°C~150°CNozzle/Die zone: 150°C~170°Cmould temperature: 0°C~50°C			
NOTE			
1.	500 mm/min		

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