

# Vital-Line SHM10011

Flexible Polyvinyl Chloride

Teknor Apex Asia Pacific PTE. LTD.

## Message:

Vital-Line SHM10011 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 SHM10011 are:  
sterilizable  
plasticization  
The typical application fields of Vital-Line SHM10011 are: medical/health care

General Information			
Features	Non-DEHP plasticizer		
	Ethylene oxide disinfection		
Uses	Medical/nursing supplies		
Appearance	Opacity		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.17	g/cm <sup>3</sup>	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A, 10 sec)	45		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	8.00	MPa	ASTM D638
Tensile Elongation (Break)	400	%	ASTM D638
Thermal	Nominal Value	Unit	Test Method
Thermal stability-@ 190oC	> 30.0	min	ASTM D2115-92
Additional Information			

Typical temperature profile for processing compound is from 120oC to 160oC. The optimum temperatures depend on the type of machine as well as screw design being used to process. Feeding zone: 120oC Barrel zone : 130oC to 150oC Nozzle/Die zone: 140oC to 160oC Mold temperature: 0-50oC

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Recommended distributors for this material

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