

Vital-Line SHM2507G1

Flexible Polyvinyl Chloride

Teknor Apex Asia Pacific PTE. LTD.

Message:

Vital-Line SHM 2507G1 is a Polyvinyl Chloride Medical Molding Compound available in granular form.

General Information			
Features	Non-DEHP plasticizer		
	Radiation disinfection		
Uses	Connector		
	Medical/nursing supplies		
Forms	Particles		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.26	g/cm ³	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	86		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	17.0	MPa	ASTM D638
Tensile Elongation (Break)	250	%	ASTM D638
Thermal	Nominal Value	Unit	Test Method
Thermal Stability (190°C)	> 30	min	ASTM D2115-92
Additional Information			

Typical temperature profile for processing compound is from 140oC to 190oC. The optimum temperatures depend on the type of machine as well as screw design being used to process.

Feeding zone
:140°C
Barrel zone
:160°C ~ 175°C
Nozzle zone
:170°C ~ 182°C
Melt temperature
:180°C ~ 190°C
Mold temperature
:0 °C ~ 50°C

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