



Vital-Line SHM11575

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

General Information

Product Description

Vital-Line SHM 11575 is a non-Phthalate Polyvinyl Chloride Medical Molding Compound available in granular form.

General

Material Status	• Commercial: Active
Availability	• Asia Pacific
Features	• Ethylene Oxide Sterilizable
Uses	• Medical Devices
Forms	• Granules
Processing Method	• Injection Molding

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.14		ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ² (Break)	1090	psi	ASTM D638
Tensile Elongation (Break)	360	%	ASTM D638
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	41		ASTM D2240
Thermal	Nominal Value	Unit	Test Method
Heat Stability (374°F)	> 30.0	min	ASTM D2115

Additional Information

Typical temperature profile for processing compound is from 125°C to 160°C. The optimum temperatures depend on the type of machine as well as screw design being used to process.

Feeding zone :125°C
Compression zone :130°C ~ 145°C
Mixing zone :145°C ~ 160°C
Nozzle zone :150°C ~ 155°C
Mold temperature 0°C ~ 50°C

Notes

¹ Typical properties: these are not to be construed as specifications.

² 20 in/min