



Vital-Line SHM3600

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

General Information

General

Material Status	• Commercial: Active
Availability	• Asia Pacific
Features	• Ethylene Oxide Sterilizable
Uses	• Connectors
Forms	• Pellets
Processing Method	• Injection Molding

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.25		ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ²	2180	psi	ASTM D638
Tensile Elongation (Break)	250	%	ASTM D638
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	81		ASTM D2240
Thermal	Nominal Value	Unit	Test Method
Thermal Stability (374°F)	> 30	min	ASTM D2115-92

Additional Information

Typical temperature profile for processing compound is from 145°C to 180°C. The optimum temperatures depend on the type of machine as well as screw design being used to process.

Feeding zone: 145°C

Compression zone: 150°C~170°C

Nozzle zone: 160°C~180°C

Mold temperature: 0°C~50°C

Notes

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

² 20 in/min