



Vital-Line SHM10011

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

General Information

Product Description

Vital-Line SHM 10011 is a Polyvinyl Chloride Medical Molding Compound available in pellet form.

General

Material Status	• Commercial: Active
Availability	• Asia Pacific
Features	• Ethylene Oxide Sterilizable • Non-DEHP Plasticizer
Uses	• Medical/Healthcare Applications
Appearance	• Opaque
Forms	• Pellets
Processing Method	• Injection Molding

ASTM & ISO Properties¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.17		ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	1160	psi	ASTM D638
Tensile Elongation (Break)	370	%	ASTM D638
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A, 10 sec)	43		ASTM D2240
Thermal	Nominal Value	Unit	Test Method
Heat Stability - Oven (374°F)	> 30.0	min	ASTM D2115-92

Additional Information

Typical temperature profile for processing compound is from 120°C to 160°C. The optimum temperatures depend on the type of machine as well as screw design being used to process.

Feeding zone: 120°C

Barrel zone: 130°C to 150°C

Nozzle/Die zone: 140°C to 160°C

Mold temperature: 0-50°C

Notes

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