



Vital-Line SHM8505

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

General Information

Product Description

Vital-Line SHM 8505 is a Polyvinyl Chloride Medical Molding Compound available in pellet form.

General

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

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.16		ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ² (Yield)	1160	psi	ASTM D638
Tensile Elongation (Break)	320	%	ASTM D638
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	50		ASTM D2240
Thermal	Nominal Value	Unit	Test Method
Heat Stability (374°F)	> 30.0	min	ASTM D2115-92

Additional Information

Typical temperature profile for processing compound is from 130oC to 160oC. The optimum temperatures depend on the type of machine as well as screw design being used to process.

Feeding zone 130°C

Compression zone 135°C ~ 155°C

Nozzle / Die zone 140°C ~ 160°C

Mold temperature 0°C ~ 50°C

Notes

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

² 20 in/min