



Vital-Line SHM7005

Teknor Apex Asia Pacific PTE. LTD. - Polyvinyl Chloride

General Information

General

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

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.19		ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ² (Yield)	> 853	psi	ASTM D638
Tensile Elongation (Break)	> 250	%	ASTM D638
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	60		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 125oC to 170oC. 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 ~ 150°C
Nozzle / Die zone 150°C ~ 170°C
Mold temperature 0°C ~ 50°C

Notes

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

² 20 in/min