



Vital-Line SHM3905G

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

General Information

General

Material Status	• Commercial: Active
Availability	• Asia Pacific
Features	• Non-Phthalate Plasticizer • Radiation Sterilizable
Uses	• Medical/Healthcare Applications
Forms	• Granules
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 (Yield)	2320	psi	ASTM D638
Tensile Elongation (Break)	260	%	ASTM D638
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness ³ (Shore A, 10 sec)	88		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 145°C to 190°C. The optimum temperatures depend on the type of machine as well as screw design being used to process.

Feeding zone: 145°C

Nozzle zone: 150°C~170°C

Melt zone: 160°C~190°C

Mould temperature: 0°C~50°C

Notes

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

² 20 in/min

³ Stand method