

Vital-Line SHM10011

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

Thursday, August 29, 2019

General Information

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 Properties ¹

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)	400	%	ASTM D638
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A, 10 sec)	45		ASTM D2240
Thermal	Nominal Value	Unit	Test Method
Heat Stability - @190oC	> 30.0	min	ASTM D2115-92

Additional Information

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

Feeding zone: 120oC
 Barrel zone : 130oC to 150oC
 Nozzle/Die zone: 140oC to 160oC
 Mold temperature: 0-50oC

Notes

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

Revision Date: 7/2/2015

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