



Vital-Line SHE4500

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

General Information

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Material Status	• Commercial: Active
Availability	• Asia Pacific
Features	• Ethylene Oxide Sterilizable
Uses	• Medical/Healthcare Applications
Forms	• Pellets
Processing Method	• Extrusion

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.23		ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ²	3120	psi	ASTM D638
Tensile Elongation ² (Break)	380	%	ASTM D638
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	78		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 175°C. The optimum temperatures depend on the type of machine as well as screw design being used to process.

Feeding zone 145°C

Compression zone 145°C ~ 155°C

Mixing zone 150°C ~ 165°C

Nozzle / Die zone 160°C ~ 175°C

Notes

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

² 20 in/min