



Vital-Line SHE5605

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

General Information

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Material Status	• Preliminary Data
Availability	• Asia Pacific
Features	• Ethylene Oxide Sterilizable • Non-Phthalate Plasticizer
Uses	• Medical/Healthcare Applications
Forms	• Granules
Processing Method	• Extrusion

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.21		ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ² (Yield)	2610	psi	ASTM D638
Tensile Elongation (Break)	390	%	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	BS 2782

Additional Information

Typical temperature profile for processing compound is from 140°C to 180°C. The optimum temperatures depend on the type of machine as well as screw design being used to process.

Feeding zone 140°C

Compression zone 155°C ~ 170°C

Mixing zone 160°C ~ 180°C

Nozzle / Die zone 165°C ~ 175°C

Notes

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

² 20 in/min