



Vital-Line SME14455

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

General Information

General

Material Status	• Commercial: Active
Availability	• Asia Pacific
Features	• Ethylene Oxide Sterilizable • Non-Phthalate Plasticizer
Uses	• Medical/Healthcare Applications
Forms	• Pellets
Processing Method	• Extrusion • Injection Molding

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.12		ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ² (Break)	1090	psi	ASTM D638
Tensile Elongation (Break)	300	%	ASTM D638
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A, 10 sec)	40		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 125°C to 165°C. 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 ~ 145°C

Mixing zone 140°C ~ 160°C

Nozzle / Die zone 160°C ~ 165°C

Mold temperature 0 - 50°C

Notes

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

² 20 in/min