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TEKNOR APEX

Vital-Line SHE8001F3

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

General Information

Product Description

Vital-Line SHE 8001F3 is a Non-DEHP Polyvinyl Chloride Medical Extrusion Compound available in pellet form. It provides Good ETO Stability performance suitable for Medical Devices.

General

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

ASTM & ISO Properties [1]

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.18		ASTM D792
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength (Yield)	1450	psi	ASTM D638
Tensile Elongation (Break)	360	%	ASTM D638
Hardness	**Nominal Value**	**Unit**	**Test Method**
Durometer Hardness (Shore A)	62		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 140°C to 175°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 150°C ~ 160°C
Mixing zone 155°C ~ 165°C
Nozzle / Die zone 160°C ~ 175°C

Notes

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