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TEKNOR APEX

Vital-Line SHE9301

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

General Information

Product Description

Vital-Line SHE 9301 is a Polyvinyl Chloride Medical Extrusion Compound available in pellet form.

General

Material Status	• Commercial: Active	
Availability	• Asia Pacific	
Features	• Ethylene Oxide Sterilizable	• Non-DEHP 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	1.16		ASTM D792
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength [2] (Yield)	1600	psi	ASTM D638
Tensile Elongation (Break)	380	%	ASTM D638
Hardness	**Nominal Value**	**Unit**	**Test Method**
Durometer Hardness (Shore A)	53		ASTM D2240
Thermal	**Nominal Value**	**Unit**	**Test Method**
Heat Stability (374°F)	> 30.0	min	ASTM D2115-92

Additional Information

Typical temperature profile for processing compound is from 125ºC to 160oC. The optimum temperatures depend on the type of machine as well as screw design being used to process.
Feeding zone: 125ºC
Compression zone: 130 ºC to 145ºC
Mixing zone: 140ºC to 155ºC
Nozzle/Die zone: 150ºC to 160ºC

Notes

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

[2] 20 in/min