TEKNOR APEX

Vital-Line SHE8595G

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

Thursday, August 29, 2019

General Information

General			
Material Status	• Commercial: Active		
Availability	• Asia Pacific		
Features	• Good Flexibility	• Non-Phthalate Plasticizer	• Radiation Sterilizable
Uses	• Medical/Healthcare Applications		
Forms	• Pellets		
Processing Method	• Extrusion		

ASTM & ISO Properties [1]

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.16 to 1.20		ASTM D792
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength [2] (Yield)	> 1710	psi	ASTM D638
Tensile Elongation (Break)	> 200	%	ASTM D638
Hardness	**Nominal Value**	**Unit**	**Test Method**
Durometer Hardness (Shore A)	60 to 66		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 135°C to 180°C. The optimum temperatures depend on the type of machine as well as screw design being used to process.

Feeding zone: 135°C
Compression zone: 145°C~155°C
Mixing zone: 155°C~175°C
Nozzle/Die Zone: 160°C~180°C

Notes

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

[2] 20 in/min

Revision Date: 12/22/2012