



Vital-Line SME5600

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

General Information

Product Description

Vital-Line SME 5600 is a Polyvinyl Chloride Medical Extrusion Compound available in granular form. It provides Good ETO Stability performance suitable for Medical Devices.

General

Material Status	• Commercial: Active
Availability	• Asia Pacific
Features	• DEHP Plasticizer • Ethylene Oxide Sterilizable
Uses	• Medical/Healthcare Applications • Tubing
Forms	• Pellets
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	2470	psi	ASTM D638
Tensile Elongation (Break)	390	%	ASTM D638
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	70		ASTM D2240
Thermal	Nominal Value	Unit	Test Method
Heat Stability - Oven Heat Stability (374°F)	> 30.0	min	ASTM D2115-92

Additional Information

Typical temperature profile for processing compound is from 135°C to 175°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: 140°C~155°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.

² 20 in/min