



Vital-Line SHE6400A

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

General Information

Product Description

Vital-Line SHE 6400A is a Polyvinyl Chloride Medical Extrusion Compound available in pellet form.

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	1.20		ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ²	1890	psi	ASTM D638
Tensile Elongation (Break)	300	%	ASTM D638
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	65		ASTM D2240
Thermal	Nominal Value	Unit	Test Method
Thermal Stability - Oven (374°F)	> 30	min	ASTM D2115-92

Additional Information

Typical temperature profile for processing compound is from 135°C to 165°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~150°C

Mixing zone: 145°C~160°C

Nozzle/Die Zone: 155°C~165°C

Notes

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

² 20 in/min