

Vital-Line SHE4808

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

Thursday, August 29, 2019

General Information

Product Description

Vital-Line SHE 4808 is a Non-phthalate 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
Uses	• Medical/Healthcare Applications
Forms	• Pellets
Processing Method	• Extrusion

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.26		ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ² (Yield)	2610	psi	ASTM D638
Tensile Elongation (Break)	300	%	ASTM D638
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	79		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 compounding is from 140oC to 180oC. The optimum temperatures depend on the type of machine as well as screw design being used to process.

Feeding zone: 140oC
 Compression zone: 145oC to 165oC
 Mixing zone: 155oC to 175oC
 Nozzle/Die zone: 165oC to 180oC

Notes

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

² 20 in/min

Revision Date: 3/22/2015

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