

Vital-Line SHE4065

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

Thursday, August 29, 2019

General Information

Product Description

Vital-Line SHE 4065 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 • Tubing
Forms	• Pellets
Processing Method	• Extrusion

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.23		ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	2610	psi	ASTM D638
Tensile Elongation (Break)	> 330	%	ASTM D638
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	85		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 145°C to 185°C. The optimum temperatures depend on the type of machine as well as screw design being used to process.

Feeding zone 145°C
 Compression zone 145°C ~ 165°C
 Mixing zone 150°C ~ 180°C
 Nozzle / Die zone 160°C ~ 185°C

Notes

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

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