

Vital-Line SHE5500

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

Thursday, August 29, 2019

General Information

Product Description

Vital-Line SHE 5500 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
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 (Yield)	2470	psi	ASTM D638
Tensile Elongation (Break)	340	%	ASTM D638
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	72		ASTM D2240
Thermal	Nominal Value	Unit	
Heat Stability (374°F)	> 30.0		

Additional Information

Typical temperature profile for processing compound is from 135oC to 165oC. 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 150°C ~ 160°C
 Nozzle / Die zone 150°C ~ 165°C

Notes

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

Revision Date: 8/12/2019

The information and recommendations contained in this bulletin are, to the best of our knowledge, accurate and reliable but no guarantee of their accuracy is made. All products are sold upon condition that purchasers shall make their own tests to determine the suitability of such products for their particular purposes and uses and purchasers assume all risks and liability for the results of use of the products, including use in accordance with seller's recommendations. Nothing in this bulletin constitutes permission or a recommendation to practice or use any invention covered by any patent owned by this company or by others. There is no warranty of merchantability and there are no other warranties for the products described.