

Vital-Line SHM1332B

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

Friday, August 30, 2019

General Information

General

Material Status	• Commercial: Active
Availability	• Asia Pacific
Features	• Ethylene Oxide Sterilizable • Non-Phthalate Plasticizer • Radiation Sterilizable
Uses	• Medical/Healthcare Applications
Forms	• Pellets
Processing Method	• Injection Molding

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.34 to 1.38		ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ² (Yield)	> 4270	psi	ASTM D638
Tensile Elongation (Break)	> 10	%	ASTM D638
Flexural Modulus	> 377000	psi	ASTM D790
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	75 to 81		ASTM D2240
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature ³	> 176	°F	ASTM D1525
Heat Stability - Oven (374°F)	> 30.0	min	ASTM D2115-92

Additional Information

Typical temperature profile for processing compound is from 145°C to 190°C. The optimum temperatures depend on the type of machine as well as screw design being used to process.

Feeding zone: 145°C

Barrel zone: 150°C~165°C

Nozzle zone: 165°C~190°C

Mould temperature: 0°C~50°C

Notes

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

² 2.0 in/min

³ at 1kg

Revision Date: 2/25/2013

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.