



Vital-Line SHE5205G

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

General Information

Product Description

Vital-Line SHE 5205G is a Polyvinyl Chloride Medical Extrusion Compound available in pellet form.

General

Material Status	• Commercial: Active
Availability	• Asia Pacific
Features	• Ethylene Oxide Sterilizable • Non-Phthalate Plasticizer • Radiation (Gamma) Resistant
Uses	• Medical/Healthcare Applications
Processing Method	• Extrusion

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.22		ASTM D792
Congo Red (374°F)	30.0	min	BS 2782
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	2760	psi	ASTM D638
Tensile Elongation (Break)	330	%	ASTM D638
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	82		ASTM D2240

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 155°C ~ 175°C

Mixing zone 160°C ~ 185°C

Nozzle / Die zone 160°C ~ 175°C

Notes

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