

Vital-Line SHE7705

Flexible Polyvinyl Chloride

Teknor Apex Asia Pacific PTE. LTD.

Message:

Vital-Line SHE 7705 is a Non-Phthalate Polyvinyl Chloride Medical Extrusion Compound available in pellet form. It provides Good Stability performance suitable for Medical Devices.

General Information			
Features	Non-phthalate plasticizer		
	Ethylene oxide disinfection		
Uses	Medical/nursing supplies		
Forms	Particle		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.18	g/cm ³	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	61		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (yield, 500 mm)	13.0	MPa	ASTM D638
Tensile Elongation (Break)	380	%	ASTM D638
Thermal	Nominal Value	Unit	Test Method
Thermal Stability (190°C)	> 30	min	ASTM D2115-92
Additional Information			

Typical temperature profile for processing compound is from 135°C to 180°C. The optimum temperatures depend on the type of machine as well as screw design being used to process. Feeding Zone 135°C Compression zone 145°C ~ 155°C Mixing zone 155°C ~ 180°C Nozzle / Die zone 165°C ~ 175°C

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