

Vital-Line SHE8255

Flexible Polyvinyl Chloride

Teknor Apex Asia Pacific PTE. LTD.

Message:

Vital-Line SHE 8255 is a Non-phthalate Polyvinyl Chloride Extrusion Compound available in pellet form.

General Information			
Features	Ethylene oxide disinfection		
Uses	Pipe fittings		
	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, 10 sec)	66		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield)	16.0	MPa	ASTM D638
Tensile Elongation (Break)	340	%	ASTM D638
Thermal	Nominal Value	Unit	Test Method
Thermal Stability ² (190°C)	> 30.0	min	ASTM D2115-92
Additional Information			
Typical temperature profile for processing compound is from 145oC to 180oC. 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 ~ 165°C			
Mixing zone			
:155°C ~ 180°C			
Nozzle / Die zone			
:165°C ~ 175°C			
NOTE			
1.	500 mm/min		
2.	Congo red		

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