

Vital-Line SMM3707

Rigid Polyvinyl Chloride

Teknor Apex Asia Pacific PTE. LTD.

Message:

Vital-Line SMM 3707 provides ETO stability.

General Information			
Features	Non-phthalate plasticizer		
	Ethylene oxide disinfection		
Uses	Medical/nursing supplies		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.33	g/cm ³	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	78		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield)	35.0	MPa	ASTM D638
Tensile Elongation (Break)	100	%	ASTM D638
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	80.0	°C	ASTM D1525
Thermal stability-Oven (190°C)	> 30.0	min	ASTM D2115-92
Additional Information			
Typical temperature profile for processing compound is from 145°C to 180°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~170°C Nozzle zone: 170°C~185°C Mould temperature: 0°C~50°C			
NOTE			
1.	50 mm/min		

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Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 1342475533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China



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