

Vital-Line SHE7005

Flexible Polyvinyl Chloride

Teknor Apex Asia Pacific PTE. LTD.

Message:

Vital-Line SHE7005 is a flexible polyvinyl chloride material. This product is available in the Asia-Pacific region and is processed by extrusion.

The main features of Vital-Line SHE7005 are:

sterilizable

plasticization

The typical application fields of Vital-Line SHE7005 are: medical/health care

| General Information | | | |
|---|-----------------------------|-------------------|---------------|
| Features | Non-phthalate plasticizer | | |
| | Ethylene oxide disinfection | | |
| Uses | Medical/nursing supplies | | |
| Forms | Particles | | |
| Processing Method | Extrusion | | |
| Physical | Nominal Value | Unit | Test Method |
| Specific Gravity | 1.17 - 1.21 | g/cm ³ | ASTM D792 |
| Hardness | Nominal Value | Unit | Test Method |
| Durometer Hardness (Shore A) | 65 - 71 | | ASTM D2240 |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Strength ¹ (Yield) | > 13.7 | MPa | ASTM D638 |
| Tensile Elongation (Break) | 300 | % | ASTM D638 |
| Thermal | Nominal Value | Unit | Test Method |
| Thermal stability-Oven (190°C) | > 30.0 | 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~170°C Nozzle/Die Zone: 160°C~180°C | | | |
| NOTE | | | |
| 1. | 500 mm/min | | |

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Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

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



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