

- Flexible Polyvinyl Chloride

Friday, June 30, 2017

General Information

Product Description

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

General

Material Status	• Commercial: Active
Availability	• Asia Pacific
Features	• Ethylene Oxide Sterilizable
Uses	• Medical/Healthcare Applications • Tubing
Forms	• Pellets
Processing Method	• Extrusion

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.18		ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ² (Yield)	2320	psi	ASTM D638
Tensile Elongation (Break)	340	%	ASTM D638
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A, 10 sec)	66		ASTM D2240
Thermal	Nominal Value	Unit	Test Method
Heat Stability (374°F)	> 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

Notes

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

² 20 in/min

Teknor Apex Company Corporate Headquarters

In U.S. for Vinyls, TPEs, Colorants,
Engineered Thermoplastics (Chem Polymer)
505 Central Avenue
Pawtucket, Rhode Island 02861 U.S.

Phone: 401-725-8000
 Fax: 401-725-8095
 Toll Free (U.S. only) 800-556-3864

info@teknorapex.com

Teknor Apex U.K. Ltd.

Tat Bank Road
Oldbury, West Midlands B69 4NH England

Phone: (44) 121-665-2100
 Fax: (44) 121-544-5530

etpsales@teknorapex.co.uk



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