

- Flexible Polyvinyl Chloride

Friday, June 30, 2017

General Information

Product Description

"Sinvicomp" SGH 5900 is an extrusion grade polyvinylchloride compound available in pellet form. Generally used in the production of garden hose.

General

Material Status	• Commercial: Active
Availability	• Asia Pacific
Uses	• Garden Hose
Forms	• Pellets
Processing Method	• Extrusion

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.24		ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	2320	psi	ASTM D638
Tensile Elongation (Break)	340	%	ASTM D638
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	70		ASTM D2240
Thermal	Nominal Value	Unit	Test Method
Thermal Stability ² (374°F)	> 30	min	BS 2782

Additional Information

Typical temperature profile for processing SINVICOMP compound is from 160°C to 175°C. The optimum temperatures depend on the type of machine as well as screw design being used to process SINVICOMP.

Feeding zone: 150°C ~160°C
 Compression zone: 160°C~165°C
 Mixing zone: 165°C~170°C
 Nozzle/Die Zone: 170°C~175°C

Notes

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

² Congo Red

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