

- Flexible Polyvinyl Chloride

Friday, June 30, 2017

General Information

General

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

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.34 to 1.38		ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	2840	psi	ASTM D638
Tensile Elongation (Break)	240	%	ASTM D638
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	55		ASTM D2240
Thermal	Nominal Value	Unit	Test Method
Thermal Stability - Congo Red (374°F)	30	min	BS 2782

Additional Information

Typical temperature profile for SINVICOMP compound is from 125°C to 160°C. The optimum temperatures depend on the type of machine as well as screw design being used to process SINVICOMP.

- Feeding zone: 125°C
- Mixing zone: 125°C~140°C
- Metering zone: 140°C~160°C
- Nozzle/Die Zone: 160°C

Notes

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

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