

- Flexible Polyvinyl Chloride

Friday, June 30, 2017

General Information

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	1.37		ASTM D792
Congo Red (374°F)	30.0	min	BS 2782
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	2840	psi	ASTM D638
Tensile Elongation (Break)	250	%	ASTM D638
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D)	51		ASTM D2240

Additional Information

Typical temperature profile for processing SINVICOMP compound is from 165°C to 190°C. The optimum temperatures depend on the type of machines as well as screw design being used to process SINVICOMP.

- Feeding zone: 165°C
- Mixing zone: 165°C~180°C
- Metering zone: 180°C~190°C
- Nozzle/Die zone: 190°C

Notes

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

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