

- Flexible Polyvinyl Chloride

Friday, June 30, 2017

General Information

General

Material Status	• Commercial: Active
Availability	• Asia Pacific
Features	• Good Stiffness
Uses	• Gaskets
Forms	• Granules
Processing Method	• Extrusion

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.41 to 1.45		ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	> 2180	psi	ASTM D638
Tensile Elongation (Break)	> 250	%	ASTM D638
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore A)	79		ASTM D2240
Thermal	Nominal Value	Unit	
Low Temperature Brittleness ²	< -13	°F	
Additional Information	Nominal Value	Unit	
Fungal Resistance - Fungicide Material	Present		

Typical temperature profile for SINVICOMP compound is from 140°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: 140°C
- Mixing zone: 140°C~150°C
- Metering zone: 150°C~160°C
- Nozzle/Die Zone: 160°C

Notes

- ¹ Typical properties: these are not to be construed as specifications.
- ² Method: GB5470

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

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

info@teknorapex.com



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