

## - Rigid Polyvinyl Chloride

Thursday, June 29, 2017

### General Information

#### Product Description

"Sinvicomp" SBF 3715 is a tin-based blown film grade polyvinylchloride resin available in granular form. SBF 3715 provide good performance suitable for shrink wrap film.

"Sinvicomp" SBF 3715 resin contain ingredients that are non-toxic and have been approved for food applications by internationally recognized bodies.

#### General

Material Status	• Commercial: Active
Availability	• Asia Pacific
Features	• Food Contact Acceptable
Uses	• Shrink Wrap
Forms	• Pellets
Processing Method	• Blow Molding

### ASTM & ISO Properties <sup>1</sup>

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.28 to 1.32		ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/21.6 kg)	17	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	4550	psi	ASTM D638
Tensile Elongation (Break)	150	%	ASTM D638
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	0.55	ft·lb/in	ASTM D256
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	70		ASTM D2240
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	158	°F	ASTM D1525

#### Additional Information

Typical temperature profile for processing SINVICOMP compound is from 160°C to 180°C. The optimum temperatures depend on the type of machine as well as screw design being used to process SINVICOMP.

Feeding zone: 160°C

Compression zone: 160°C~170°C

Mixing zone: 170°C~180°C

Nozzle/Die Zone: 180°C

#### Notes

<sup>1</sup> Typical properties: these are not to be construed as specifications.

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