

# Sinvicomp SI24505H

Teknor Apex Asia Pacific PTE. LTD. - Rigid Polyvinyl Chloride

Thursday, August 29, 2019

## General Information

### General

Material Status	• Commercial: Active
Availability	• Asia Pacific
Features	• High Stiffness
Uses	• Appliance Wire Insulation
RoHS Compliance	• RoHS Compliant
Forms	• Pellets
Processing Method	• Extrusion

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

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.43		ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	2760	psi	IEC 754-2
Tensile Elongation (Break)	240	%	ASTM D638
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	46		ASTM D2240
Thermal	Nominal Value	Unit	Test Method
Continuous Use Temperature <sup>2</sup>	221	°F	ASTM D794
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity (68°F)	2.0E+14	ohms·cm	BS 2782 230A
Flammability	Nominal Value	Unit	Test Method
Oxygen Index	30	%	ASTM D2863

### Additional Information

Typical temperature profile for SINVICOMP compound is from 140°C to 185°C. The optimum temperatures depend on the type of machine as well as screw design being used to process SINVICOMP.

Feeding zone: 140°C  
 Compression zone: 150°C~170°C  
 Mixing zone: 170°C~180°C  
 Nozzle/Die Zone: 185°C

### Notes

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

<sup>2</sup> Dry

Revision Date: 10/9/2014

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