



# Sinvicomp SRF3710

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

## General Information

### Product Description

Sinvicomp® SRF3710 is an injection molding grade polyvinyl chloride available in pellet form. It is suitable for rigid molding applications requiring good weathering resistance and excellent impact resistance.

### General

Material Status	• Commercial: Active		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Features	• Excellent Weather Resistance • High Impact Resistance	• Medium Flow • UV Resistant	
Uses	• Electrical Parts	• Fittings	
RoHS Compliance	• RoHS Compliant		
Appearance	• Colors Available	• Opaque	
Forms	• Pellets		
Processing Method	• Injection Molding		

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

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.36		ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/21.6 kg)	10	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength <sup>2</sup> (Yield, Injection Molded)	6530	psi	ASTM D638
Tensile Elongation <sup>2</sup> (Break, Injection Molded)	100	%	ASTM D638
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (Injection Molded)	21	ft-lb/in	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (264 psi, Annealed)	154	°F	ASTM D648
Vicat Softening Temperature	172	°F	ASTM D1525 <sup>3</sup>

### Additional Information

Typical temperature profile for processing Sinvicomp compound is from 170°C to 190°C. The optimum temperatures depend on the type of machine as well as screw design being used to process Sinvicomp.

Feeding zone 170°C

Compression zone 170°C ~ 180°C

Mixing zone 180°C ~ 190°C

Nozzle / Die zone 190°C

### Notes

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

<sup>2</sup> Type I, 0.20 in/min

<sup>3</sup> Rate B (120°C/h), Loading 2 (50 N)