



# Sinvicomp SRF3705LT

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

## General Information

### Product Description

"Sinvicomp" SRF3705LT is an injection molding Polyvinyl Chloride material available in pellet form. It provides high impact resistance performance suitable for rigid pipe fittings and industrial valves, etc.

### General

Material Status	• Commercial: Active		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Features	• High Impact Resistance	• Low Temperature Impact Resistance	
Uses	• 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	1.38		ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/21.6 kg)	4.0	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength <sup>2</sup> (Yield, Injection Molded)	6670	psi	ASTM D638
Tensile Elongation <sup>2</sup> (Break, Injection Molded)	70	%	ASTM D638
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (Injection Molded)	22	ft-lb/in	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load 264 psi, Annealed, Injection Molded	156	°F	ASTM D648
Vicat Softening Temperature	174	°F	ASTM D1525 <sup>3</sup>
Thermal Stability <sup>4</sup> (374°F)	> 30	min	BS 2782

### 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.

<sup>2</sup> Type I, 0.98 in/min

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

<sup>4</sup> Congo Red