



Sinvicomp SRT3700

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

General Information

Product Description

Sinvicomp SRT3700 is a clear/transparent rigid Polyvinyl Chloride material available in pellet form. It is excellent for molded parts requiring good clarity/transparency.

General

Material Status	• Commercial: Active		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Features	• Good Clarity	• Good Flow	• Impact Modified
Uses	• Electrical Parts	• Fittings	
RoHS Compliance	• RoHS Compliant		
Appearance	• Clear/Transparent	• Colors Available	
Forms	• Pellets		
Processing Method	• Injection Molding		

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.34		ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/21.6 kg)	11	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	399000	psi	ASTM D638
Tensile Strength ² (Yield, Injection Molded)	6960	psi	ASTM D638
Tensile Elongation ² (Break, Injection Molded)	100	%	ASTM D638
Flexural Modulus	439000	psi	ASTM D790
Flexural Strength (Yield)	11700	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (Injection Molded)	1.1	ft-lb/in	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load 264 psi, Annealed, Injection Molded	144	°F	ASTM D648
Vicat Softening Temperature	167	°F	ASTM D1525 ³

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

¹ Typical properties: these are not to be construed as specifications.

² Type I, 0.20 in/min

³ Rate B (120°C/h), Loading 2 (50 N)