



Sinvicomp SRF3712HF

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

General Information

Product Description

"Sinvicomp" SRF3712HF is an injection molding Polyvinyl Chloride material available in pellet form. It provides medium impact resistance performance and high flow ability 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 Flow	• Medium Impact Resistance	
Uses	• Fittings		
RoHS Compliance	• RoHS Compliant		
Appearance	• Colors Available	• Opaque	
Forms	• Pellets		
Processing Method	• Injection Molding		

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.43		ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/21.6 kg)	20	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ² (Yield, Injection Molded)	6670	psi	ASTM D638
Tensile Elongation ² (Break, Injection Molded)	100	%	ASTM D638
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (Injection Molded)	1.9	ft·lb/in	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load 264 psi, Annealed, Injection Molded	153	°F	ASTM D648
Vicat Softening Temperature	172	°F	ASTM D1525 ³
Thermal Stability ⁴ (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

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)

⁴ Congo Red