



Sinvicomp SRF3704

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

General Information

Product Description

"Sinvicomp" SRF3704 is an injection molding grade polyvinylchloride compound available in pellet form. SRF3704 provides high impact performance suitable for rigid pipes fittings, electrical sockets and couplings.

General

Material Status	• Commercial: Active
Availability	• Asia Pacific
Features	• High Impact Resistance
Uses	• Fittings
Forms	• Pellets
Processing Method	• Injection Molding

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.39		ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/21.6 kg)	5.5	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ² (Yield)	6680	psi	ASTM D638
Tensile Elongation ² (Break)	110	%	ASTM D638
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	2.6	ft-lb/in	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Point - 50N Load	169	°F	ASTM D1525
Thermal Stability ³ (374°F)	> 30	min	BS 2782

Additional Information

Typical temperature profile for processing SINVICOMP compound is from 160oC to 180oC. 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 9.8 in/min

³ Congo Red