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TEKNOR APEX

Sinvicomp SRF9702V2

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

General Information

Product Description

"Sinvicomp" SRF 9702V2 is a CaZn-stabilized injection molding grade polyvinylchloride available in pellet form. SRF 9702V2 is suitable for rigid electrical boxes and other rigid molding appliances requiring moderate impact strength.

General	
Material Status	• Preliminary Data
Availability	• Asia Pacific
Features	• Good Impact Resistance
Uses	• Electrical Parts
Forms	• Pellets
Processing Method	• Injection Molding

ASTM & ISO Properties [1]

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.41 to 1.45		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 (Yield)	6960	psi	ASTM D638
Tensile Elongation (Break)	140	%	ASTM D638
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact	1.4	ft·lb/in	ASTM D256
Hardness	**Nominal Value**	**Unit**	**Test Method**
Durometer Hardness (Shore D)	76		ASTM D2240
Thermal	**Nominal Value**	**Unit**	**Test Method**
Vicat Softening Temperature	172	°F	ASTM D1525 [2]
Ball Pressure Test [3] (167°F)	Pass		IEC 60695-10-2
Heat Stability - Congo Red (374°F)	30.0	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 160ºC
Compression zone 160ºC ~ 170ºC
Mixing zone 170ºC ~ 180ºC
Nozzle / Die zone 180ºC

Notes

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

[2] Loading 2 (50 N)

[3] 3rd Party Testing