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TEKNOR APEX

Sinvicomp SRF9713LT3

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

General Information

General		
Material Status	• Commercial: Active	
Availability	• Asia Pacific	
Features	• Low Temperature Impact Resistance	
Uses	• Electrical Parts	• Fittings
RoHS Compliance	• RoHS Compliant	
Forms	• Pellets	
Processing Method	• Injection Molding	

ASTM & ISO Properties [1]

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.39 to 1.43		ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/21.6 kg)	3.0	g/10 min	ASTM D1238
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength (Yield)	5510	psi	ASTM D638
Tensile Elongation (Break)	140	%	ASTM D638
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact	18	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	173	°F	ASTM D1525 [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)