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TEKNOR APEX

Sinvicomp SRF3872

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

General Information

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

ASTM & ISO Properties [1]

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.38 to 1.42		ASTM D792
Congo Red (374°F)	30.0	min	BS 2782
Melt Flow - 190°C/21.6kgs	28g/10mins		ASTM D1238
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength (Yield)	7250	psi	ASTM D638
Tensile Elongation (Break)	30	%	ASTM D638
Flexural Modulus	392000	psi	ASTM D790
Flexural Strength	10600	psi	ASTM D790
Modulus of Elasticity - in Tension	363	ksi	ASTM D638
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact	1.3	ft·lb/in	ASTM D256
Hardness	**Nominal Value**	**Unit**	**Test Method**
Shore Hardness (Shore D)	76		ASTM D2240
Thermal	**Nominal Value**	**Unit**	**Test Method**
Vicat Softening Temperature	187	°F	ASTM D1525

Additional Information

Typical temperature profile for 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
Mixing zone: 160°C~170°C
Metering zone: 170°C~180°C
Nozzle/Die Zone: 180°C

Notes

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