



Sinvicomp SRF3705P

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
RoHS Compliance	• RoHS Compliant
Appearance	• Opaque
Forms	• Pellets
Processing Method	• Injection Molding

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.41		ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	7540	psi	ASTM D638
Tensile Elongation (Break)	150	%	ASTM D638
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	0.94	ft-lb/in	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	171	°F	ASTM D1525 ²
Heat Stability ³ (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 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 Loading 1 (10 N)

³ Congo Red@190oC