



Sinvicomp SRF3805

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

General Information

General

Material Status	• Commercial: Active
Availability	• Asia Pacific
Features	• High Gloss • High Impact Resistance
Uses	• Electrical Parts • Fittings
Agency Ratings	• NSF STD-61
Forms	• Pellets
Processing Method	• Injection Molding

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.38		ASTM D792
Melt Flow - 190°C / 21.6kgs	5.5g/10mins		ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	6670	psi	ASTM D638
Tensile Elongation (Break)	110	%	ASTM D638
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	1.9	ft-lb/in	ASTM D256
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	76		ASTM D2240
Thermal	Nominal Value	Unit	Test Method
Heat Stability - Congo Red (374°F)	30.0	min	BS 2782

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

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.