

Sinvicomp SRF1705V

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

Thursday, August 29, 2019

General Information

Product Description

"Sinvicomp" SRF 1705V is an injection molding grade polyvinylchloride compound available in pellet form. SRF 1705V provides normal impact performance suitable for rigid pipes fittings, electrical sockets and couplings.

General

Material Status	• Commercial: Active
Availability	• Asia Pacific
Features	• Medium 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	1.48		ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	9860	psi	ASTM D638
Tensile Elongation (Break)	120	%	ASTM D638
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	1.5	ft-lb/in	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	176	°F	ASTM D1525 ²
Heat Stability - Congo Red (374°F)	> 50.0	min	BS 2782

Additional Information

Typical temperature profile for processing SINVICOMP compound is from 160oC to 180oC. 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)

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