



Sinvicomp SIC3703G

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

General Information

Product Description

"Sinvicomp" SIC 3703G is an extrusion/injection grade polyvinylchloride compound available in pellet form. SIC 3703G is suitable for transparent application.

General

Material Status	• Commercial: Active
Availability	• Asia Pacific
Uses	• Thin-walled Packaging • Transparent Parts
Forms	• Pellets
Processing Method	• Extrusion • Injection Molding

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.34 to 1.38		ASTM D792
Melt Mass-Flow Rate (MFR)	5.0	g/10 min	ASTM D1238
Molding Shrinkage	0.20 to 0.50	%	ASTM D955
Congo Red (374°F)	> 30.0	min	BS 2782
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	7830	psi	ASTM D638
Tensile Elongation (Break)	170	%	ASTM D638
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	0.84	ft-lb/in	ASTM D256
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	79		ASTM D2240
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	165	°F	ASTM D1525 ²

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 ~ 175°C
Nozzle / Die zone 180°C

Notes

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

² Loading 2 (50 N)