



Sinvicomp SIM5000

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

General Information

General

Material Status	• Commercial: Active
Availability	• Asia Pacific
Features	• High Strength
Uses	• Electrical/Electronic Applications
Forms	• Pellets
Processing Method	• Injection Molding

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.33		ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ² (Yield)	1600	psi	ASTM D638
Tensile Elongation ² (Break)	230	%	ASTM D638
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	79		ASTM D2240
Thermal	Nominal Value	Unit	Test Method
Thermal Stability ³ (374°F)	> 30	min	BS 2782
Aging	Nominal Value	Unit	Test Method
Change in Tensile Strength (176°F, 168 hr)	10	%	ASTM D638
Change in Ultimate Elongation (176°F, 7 hr)	20	%	ASTM D638

Notes

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

² 9.8 in/min

³ Congo Red