



Sinvicomp SIZ4505W

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

General Information

General

Material Status	• Commercial: Active
Availability	• Asia Pacific
Features	• Oil Resistant
Uses	• Appliance Wire Insulation
RoHS Compliance	• RoHS Compliant
Forms	• Pellets
Processing Method	• Extrusion

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.32		ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	3050	psi	ASTM D638
Tensile Elongation (Break)	300	%	ASTM D638
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	44		ASTM D2240
Thermal	Nominal Value	Unit	Test Method
Continuous Use Temperature ²	221	°F	ASTM D794
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity (68°F)	1.0E+15	ohms·cm	BS 2782 230A
Flammability	Nominal Value	Unit	Test Method
Oxygen Index	28	%	ASTM D2863

Additional Information

Typical temperature profile for PVC compound is from 150°C to 190°C. The optimum temperatures depend on the type of machine as well as screw design being used to process SINVICOMP materials.

Feeding zone: 150°C~165°C

Mixing zone: 170°C~185°C

Metering zone: 180°C~190°C

Nozzle/Die Zone: 180°C~190°C

Notes

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

² Dry