



# Sinvicomp SIZ5908A-1 UV

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

## General Information

### General

|                           |                      |                  |
|---------------------------|----------------------|------------------|
| Material Status           | • Commercial: Active |                  |
| Availability              | • Asia Pacific       |                  |
| Features                  | • UV Stabilized      |                  |
| Uses                      | • Insulation         | • Wire Jacketing |
| Wire Types (AS 3147/3191) | • 5V-90              | • V-90           |
| Forms                     | • Pellets            |                  |
| Processing Method         | • Extrusion          |                  |

## ASTM & ISO Properties <sup>1</sup>

| Physical                                      | Nominal Value | Unit               | Test Method   |
|-----------------------------------------------|---------------|--------------------|---------------|
| Density / Specific Gravity                    | 1.40          |                    | ASTM D792     |
| Mechanical                                    | Nominal Value | Unit               | Test Method   |
| Tensile Strength                              | 2320          | psi                | IEC 60811-1-1 |
| Tensile Elongation (Break)                    | 310           | %                  | IEC 60811-1-1 |
| Hardness                                      | Nominal Value | Unit               | Test Method   |
| Durometer Hardness (Shore A)                  | 82            |                    | ASTM D2240    |
| Aging                                         | Nominal Value | Unit               | Test Method   |
| Change in Tensile Strength (239°F, 504 hr)    | 6.0           | %                  | AS 3147/3191  |
| Change in Ultimate Elongation (239°F, 504 hr) | 15            | %                  | AS 3147/3191  |
| Electrical                                    | Nominal Value | Unit               | Test Method   |
| Volume Resistivity (68°F)                     | 5.0E+13       | ohms·cm            | BS 2782       |
| Additional Information                        | Nominal Value | Unit               | Test Method   |
| Loss of Mass - 5 Days (239°F)                 | 1.20          | mg/cm <sup>2</sup> | AS 3147/3191  |

Typical temperature profile for this SINVICOMP compound is from 145°C to 170°C, and its melt temperature at cross head exit is recommended to be in the range of 172°C to 178°C. The optimum temperatures depend on the type of machine as well as screw design being used to process SINVICOMP.

Feeding zone: 145°C~150°C

Compression zone: 155°C~160°C

Mixing zone: 160°C~165°C

Nozzle/Die Zone: 160 - 170°C

### Notes

<sup>1</sup> Typical properties: these are not to be construed as specifications.