



# Sinvicomp SRF3735

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

## General Information

### General

|                   |                                       |
|-------------------|---------------------------------------|
| Material Status   | • Commercial: Active                  |
| Availability      | • Asia Pacific                        |
| Features          | • High Gloss • High Impact Resistance |
| Uses              | • Electrical Parts • Fittings         |
| Forms             | • Pellets                             |
| Processing Method | • Injection Molding                   |

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

| Physical                           | Nominal Value | Unit     | Test Method |
|------------------------------------|---------------|----------|-------------|
| Density / Specific Gravity         | 1.38 to 1.42  |          | ASTM D792   |
| Melt Flow - 190°C / 21.6kgs        | 10g/10mins    |          | ASTM D1238  |
| Mechanical                         | Nominal Value | Unit     | Test Method |
| Tensile Strength (Yield)           | 7250          | psi      | ASTM D638   |
| Tensile Elongation (Break)         | 30            | %        | ASTM D638   |
| Impact                             | Nominal Value | Unit     | Test Method |
| Notched Izod Impact                | 1.5           | ft-lb/in | ASTM D256   |
| Hardness                           | Nominal Value | Unit     | Test Method |
| Durometer Hardness (Shore D)       | 76            |          | ASTM D2240  |
| Thermal                            | Nominal Value | Unit     | Test Method |
| Vicat Softening Temperature        | 187           | °F       | ASTM D1525  |
| Heat Stability - Congo Red (374°F) | 30.0          | min      | BS 2782     |

### Additional Information

Typical temperature profile for 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~180°C  
Nozzle/Die Zone: 180°C

### Notes

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