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TEKNOR APEX

# Sinvicomp SRF3730

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

### General Information

**Product Description**

"Sinvicomp" SRF3730 is an injection grade polyvinylchloride compound available in pellet form. SRF 3730 provides high impact performance suitable for rigid pipes fittings, electrical sockets and coupling.

**General**

| | | |
|---|---|---|
| Material Status | • Commercial: Active | |
| Availability | • Asia Pacific | |
| Features | • Good Flow | • Medium Impact Resistance |
| Uses | • Electrical Parts | • Fittings |
| RoHS Compliance | • RoHS Compliant | |
| Forms | • Pellets | |
| Processing Method | • Injection Molding | |

### ASTM & ISO Properties [1]

| Physical | Nominal Value | Unit | Test Method |
|---|---|---|---|
| Density / Specific Gravity | 1.42 | | ASTM D792 |
| Melt Flow - 190°C / 21.6kgs | 10g/10mins | | ASTM D1238 |
| **Mechanical** | **Nominal Value** | **Unit** | **Test Method** |
| Tensile Strength [2] (Yield, Compression Molded) | 7690 | psi | ASTM D638 |
| Tensile Elongation [2] (Break, Compression Molded) | 130 | % | ASTM D638 |
| **Impact** | **Nominal Value** | **Unit** | **Test Method** |
| Notched Izod Impact (Compression Molded) | 1.4 | ft·lb/in | ASTM D256 |
| **Hardness** | **Nominal Value** | **Unit** | **Test Method** |
| Durometer Hardness (Shore D, 10 sec) | 78 | | ASTM D2240 |
| **Thermal** | **Nominal Value** | **Unit** | **Test Method** |
| Vicat Softening Temperature | 167 | °F | ASTM D1525 [3] |
| Heat Stability - Congo Red @ 190°C | > 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

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

[2] Type IV, 0.20 in/min

[3] Rate A (50°C/h), Loading 2 (50 N)