

Sinvicomp SRF3735

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

Thursday, August 29, 2019

General Information

General

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|-------------------|---------------------------------------|
| 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 ¹

| 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

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

Revision Date: 1/2/2013

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