

Sinvicomp SRF3805

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

Thursday, August 29, 2019

General Information

General

| | |
|-------------------|---------------------------------------|
| Material Status | • Commercial: Active |
| Availability | • Asia Pacific |
| Features | • High Gloss • High Impact Resistance |
| Uses | • Electrical Parts • Fittings |
| Agency Ratings | • NSF STD-61 |
| Forms | • Pellets |
| Processing Method | • Injection Molding |

ASTM & ISO Properties ¹

| Physical | Nominal Value | Unit | Test Method |
|------------------------------------|---------------|----------|-------------|
| Density / Specific Gravity | 1.38 | | ASTM D792 |
| Melt Flow - 190°C / 21.6kgs | 5.5g/10mins | | ASTM D1238 |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Strength (Yield) | 6670 | psi | ASTM D638 |
| Tensile Elongation (Break) | 110 | % | ASTM D638 |
| Impact | Nominal Value | Unit | Test Method |
| Notched Izod Impact | 1.9 | ft-lb/in | ASTM D256 |
| Hardness | Nominal Value | Unit | Test Method |
| Durometer Hardness (Shore D) | 76 | | ASTM D2240 |
| Thermal | Nominal Value | Unit | Test Method |
| 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: 4/20/2014

The information and recommendations contained in this bulletin are, to the best of our knowledge, accurate and reliable but no guarantee of their accuracy is made. All products are sold upon condition that purchasers shall make their own tests to determine the suitability of such products for their particular purposes and uses and purchasers assume all risks and liability for the results of use of the products, including use in accordance with seller's recommendations. Nothing in this bulletin constitutes permission or a recommendation to practice or use any invention covered by any patent owned by this company or by others. There is no warranty of merchantability and there are no other warranties for the products described.