

'05E

## - Rigid Polyvinyl Chloride

Thursday, June 29, 2017

| General Information |                           |  |  |  |
|---------------------|---------------------------|--|--|--|
| General             |                           |  |  |  |
| Material Status     | Commercial: Active        |  |  |  |
| Availability        | Asia Pacific              |  |  |  |
| Features            | Medium Impact Resistance  |  |  |  |
| Uses                | Electrical Parts Fittings |  |  |  |
| Forms               | Pellets                   |  |  |  |
| Processing Method   | Injection Molding         |  |  |  |

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| ASTM & ISO Properties <sup>1</sup> |               |          |             |  |
|------------------------------------|---------------|----------|-------------|--|
| Physical                           | Nominal Value | Unit     | Test Method |  |
| Specific Gravity                   | 1.38 to 1.42  |          | ASTM D792   |  |
| Mechanical                         | Nominal Value | Unit     | Test Method |  |
| Tensile Strength (Yield)           | 7250          | psi      | ASTM D638   |  |
| Tensile Elongation (Break)         | 110           | %        | ASTM D638   |  |
| Impact                             | Nominal Value | Unit     | Test Method |  |
| Notched Izod Impact                | 0.55          | ft·lb/in | ASTM D256   |  |
| Thermal                            | Nominal Value | Unit     | Test Method |  |
| Vicat Softening Temperature        | 190           | °F       | ASTM D1525  |  |
| Heat Stability - Congo Red (374°F) | 1.7           | hr       | BS 2782     |  |
| A delition of Information          |               |          |             |  |

## **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.

## Teknor Apex Company Corporate Headquarters

In U.S. for Vinyls, TPEs, Colorants, Engineered Thermoplastics (Chem Polymer) 505 Central Avenue Pawtucket, Rhode Island 02861 U.S.

Phone: 401-725-8000 Fax: 401-725-8095 Toll Free (U.S. only) 800-556-3864

info@teknorapex.com

Teknor Apex U.K. Ltd.

Tat Bank Road Oldbury, West Midlands B69 4NH England

Phone: (44) 121-665-2100 Fax: (44) 121-544-5530

etpsales@teknorapex.co.uk



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