

## Spartech SP-3010 Rigid PVC Specialty Sheet

Category : Polymer , Thermoplastic , Vinyl (PVC) , PVC, Sheet Grade

### Material Notes:

Description: Specialty Sheet Information provided by Spartech.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Spartech-SP-3010-Rigid-PVC-Specialty-Sheet.php](http://www.lookpolymers.com/polymer_Spartech-SP-3010-Rigid-PVC-Specialty-Sheet.php)

| Physical Properties | Metric    | English   | Comments  |
|---------------------|-----------|-----------|-----------|
| Specific Gravity    | 1.40 g/cc | 1.40 g/cc | ASTM D792 |

| Mechanical Properties   | Metric                                 | English                                    | Comments         |
|-------------------------|--|--|------------------|
| Hardness, Rockwell R    | 112                                    | 112  | ASTM D785        |
| Tensile Strength, Yield | 45.5 MPa                               | 6600 psi                                   | ASTM D638        |
| Tensile Modulus         | 2.76 GPa                               | 400 ksi                                    | ASTM D638        |
| Flexural Yield Strength | 82.7 MPa                               | 12000 psi                                  | ASTM D790        |
| Flexural Modulus        | 3.31 GPa                               | 480 ksi                                    | ASTM D790        |
| Izod Impact, Unnotched  | 7.47 J/cm                              | 14.0 ft-lb/in                              | ASTM D256        |
|                         | 0.267 J/cm<br>@Temperature -40.0<br>°C | 0.500 ft-lb/in<br>@Temperature -40.0<br>°F | ASTM D256        |
| Falling Dart Impact     | 42.0 J                                 | 31.0 ft-lb                                 | 73°F; ASTM D3029 |
|                         | 10.8 J<br>@Temperature -40.0<br>°C     | 8.00 ft-lb<br>@Temperature -40.0<br>°F     | ASTM D3029       |

| Thermal Properties                          | Metric  | English   | Comments  |
|---|---|---|-----------|
| CTE, linear                                 | 72.0 $\mu\text{m}/\text{m}\cdot\text{Å}^\circ\text{C}$<br>@Temperature 20.0<br>°C | 40.0 $\mu\text{in}/\text{in}\cdot\text{Å}^\circ\text{F}$<br>@Temperature 68.0 Å°F | ASTM D696 |
| Deflection Temperature at 1.8 MPa (264 psi) | 68.3 Å°C  | 155 Å°F   | ASTM D648 |
| Flammability, UL94                          | V-0   | V-0   |           |

| Optical Properties | Metric | English | Comments            |
|--------------------|--------|---------|---------------------|
| Gloss              | 90 %   | 90 %    | Gardner; ASTM D2523 |

Optical Properties

Metric

English

Comments

## Contact Songhan Plastic Technology Co.,Ltd.

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