

## Spartech Royalite R60-LS (R61) PVC/Acrylic Fire Rated Sheet

Category : Polymer , Thermoplastic , Acrylic (PMMA) , Vinyl (PVC) , PVC/Acrylic Alloy

### Material Notes:

Description: Fire Rated Sheet Information provided by Spartech.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Spartech-Royalite-R60-LS-R61-PVCAcrylic-Fire-Rated-Sheet.php](http://www.lookpolymers.com/polymer_Spartech-Royalite-R60-LS-R61-PVCAcrylic-Fire-Rated-Sheet.php)

| Physical Properties | Metric           | English          | Comments  |
|---------------------|------------------|------------------|-----------|
| Specific Gravity    | 1.35 - 1.40 g/cc | 1.35 - 1.40 g/cc | ASTM D792 |

| Mechanical Properties   | Metric                         | English                            | Comments                                |
|-------------------------|--------------------------------|------------------------------------|-----------------------------------------|
| Hardness, Rockwell R    | 103                            | 103                                | ASTM D785                               |
| Tensile Strength, Yield | 40.7 MPa                       | 5900 psi                           | ASTM D638                               |
| Flexural Yield Strength | 66.9 MPa                       | 9700 psi                           | ASTM D790                               |
| Flexural Modulus        | 2.28 GPa                       | 330 ksi                            | ASTM D790                               |
| Izod Impact, Notched    | 1.60 J/cm                      | 3.00 ft-lb/in                      | 73°F; ASTM D256                         |
| Impact Test             | 40.7 J<br>@Temperature 22.8 °C | 30.0 ft-lb<br>@Temperature 73.0 °F | Dynatup Instrumented Impact; ASTM D3763 |

| Thermal Properties                          | Metric                                      | English                                       | Comments  |
|---------------------------------------------|---------------------------------------------|-----------------------------------------------|-----------|
| CTE, linear                                 | 82.8 - 99.0 µm/m-°C<br>@Temperature 20.0 °C | 46.0 - 55.0 µin/in-°F<br>@Temperature 68.0 °F | ASTM D696 |
| Deflection Temperature at 1.8 MPa (264 psi) | 73.9 °C                                     | 165 °F                                        | ASTM D648 |

| Descriptive Properties    | Value  | Comments                                 |
|---------------------------|--------|------------------------------------------|
| Bus and Rail Smoke Rating | Passes | UMTA/DOT/FRA                             |
| Flammability              | Passes | MVSS (Motor Vehicle Safety Standard) 302 |

## Contact Songhan Plastic Technology Co.,Ltd.

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