

Technical Data Sheet

**Polyflam PC/PBT-FR5 RED SFRED**



Polycarbonate + PBT

**Product Description**

Flame Retardant Polycarbonate+PBT Natural and Colors Available Add "R" for Added Release Add "U" for UV Stabilizer UL Listed f1, 5VA at 3.0 mm, V-0 at 1.5 mm

**Appearance** Colors Available; Natural Color

**Additive** Flame Retardant

| Typical Properties                                     | Nominal Value | Units             | Test Method |
|--|---------------|-------------------|-------------|
| <b>Physical</b>  |               |                   |             |
| Melt Flow Rate, (260 °C/5.0 kg)                        | 22            | g/10 min          | ASTM D1238  |
| Density - Specific Gravity                             | 1.3           | g/cm <sup>3</sup> | ASTM D792   |
| <b>Mechanical</b>                                      |               |                   |             |
| Tensile Strength at Yield                              | 53            | MPa               | ASTM D638   |
| Flexural Modulus                                       | 2120          | MPa               | ASTM D790   |
| Tensile Elongation at Break                            | 50            | %                 | ASTM D638   |
| Flexural Strength                                      | 73.1          | MPa               | ASTM D790   |
| <b>Impact</b>  |               |                   |             |
| Notched Izod Impact                                    |               |                   |             |
| (-40 °C, 3.18 mm)                                      | 190           | J/m               | ASTM D256   |
| (23 °C, 3.18 mm)                                       | 530           | J/m               | ASTM D256   |
| <b>Thermal</b>   |               |                   |             |
| Deflection Temperature Under Load Unannealed (264 psi) | 98.9          | °C                | ASTM D648   |
| <b>UL Information</b>                                  |               |                   |             |
| Flame Rating   |               |                   |             |
| (1.5 mm)   | V-0           |                   | UL 94       |
| (3.0 mm)   | 5VA           |                   | UL 94       |