

## Technical Data Sheet

### *Polyflam* 52N5006NG6103 SF



Polycarbonate

#### Product Description

*Polyflam* 52N5006NG6103 SF is a Polycarbonate material.

Forms

Pellets

Additive

Flame Retardant

| Typical Properties                                     | Nominal Value | Units             | Test Method |
|--------------------------------------------------------|---------------|-------------------|-------------|
| <b>Physical</b>                                        |               |                   |             |
| Melt Flow Rate, (300 °C/1.2 kg)                        | 10            | g/10 min          | ASTM D1238  |
| Density - Specific Gravity                             | 1.22          | g/cm <sup>3</sup> | ASTM D792   |
| <b>Mechanical</b>                                      |               |                   |             |
| Tensile Strength at Yield                              | 62.1          | MPa               | ASTM D638   |
| Flexural Modulus                                       | 2340          | MPa               | ASTM D790   |
| <b>Impact</b>                                          |               |                   |             |
| Gardner Impact                                         | >36.2         | J                 | ASTM D5420  |
| Notched Izod Impact                                    | 690           | J/m               | ASTM D256   |
| <b>Thermal</b>                                         |               |                   |             |
| Deflection Temperature Under Load Unannealed (264 psi) | 127           | °C                | ASTM D648   |
| Deflection Temperature Under Load Unannealed (66 psi)  | 129           | °C                | ASTM D648   |
| RTI Str                                                | 93.3          | °C                | UL 746B     |
| <b>UL Information</b>                                  |               |                   |             |
| Flame Rating                                           |               |                   |             |
| (1.5 mm)                                               | V-2           |                   | UL 94       |
| (3.0 mm)                                               | V-0           |                   | UL 94       |