

**Product Texts**

Starflam RF0057P is a 25% glass fiber reinforced, flame retardant PA66/6 for injection molded applications. The material is halogen free and red phosphorus free.

| Mechanical properties                                | dry / cond         | Unit              | Test Standard |
|--|--------------------|-------------------|---------------|
| <b>ISO Data</b>                                      |                    |                   |               |
| <sup>[C]</sup> Tensile Modulus                       | <b>9900 / 7800</b> | MPa               | ISO 527       |
| <sup>[C]</sup> Stress at break                       | <b>131 / 94</b>    | MPa               | ISO 527       |
| <sup>[C]</sup> Strain at break                       | <b>2.8 / 2.7</b>   | %                 | ISO 527       |
| <sup>[C]</sup> Charpy impact strength, +23°C         | <b>64 / 65</b>     | kJ/m <sup>2</sup> | ISO 179/1eU   |
| <sup>[C]</sup> Charpy impact strength, -30°C         | <b>59 / 58</b>     | kJ/m <sup>2</sup> | ISO 179/1eU   |
| <sup>[C]</sup> Charpy notched impact strength, +23°C | <b>9.8 / 12</b>    | kJ/m <sup>2</sup> | ISO 179/1eA   |
| <sup>[C]</sup> Charpy notched impact strength, -30°C | <b>9.3 / 9.2</b>   | kJ/m <sup>2</sup> | ISO 179/1eA   |

[C]: CAMPUS

| Thermal properties                                      | dry / cond     | Unit | Test Standard  |
|---|----------------|------|----------------|
| <b>ISO Data</b>   |                |      |                |
| <sup>[C]</sup> Melting temperature, 10°C/min            | <b>253 / *</b> | °C   | ISO 11357-1/-3 |
| <sup>[C]</sup> Temp. of deflection under load, 1.80 MPa | <b>220 / *</b> | °C   | ISO 75-1/-2    |
| <sup>[C]</sup> Temp. of deflection under load, 0.45 MPa | <b>246 / *</b> | °C   | ISO 75-1/-2    |

[C]: CAMPUS

| Electrical properties            | dry / cond     | Unit  | Test Standard |
|----------------------------------|----------------|-------|---------------|
| <b>ISO Data</b>                  |                |       |               |
| <sup>[C]</sup> Electric strength | <b>27 / 31</b> | kV/mm | IEC 60243-1   |

[C]: CAMPUS

| Other properties                   | dry / cond      | Unit              | Test Standard  |
|------------------------------------|-----------------|-------------------|----------------|
| <sup>[C]</sup> Water absorption    | <b>1 / *</b>    | %                 | Sim. to ISO 62 |
| <sup>[C]</sup> Humidity absorption | <b>1.2 / *</b>  | %                 | Sim. to ISO 62 |
| <sup>[C]</sup> Density             | <b>1410 / -</b> | kg/m <sup>3</sup> | ISO 1183       |

[C]: CAMPUS

**Characteristics****Processing**

Injection Molding

**Delivery form**

Pellets

**Additives**

Release agent

**Special Characteristics**

Flame retardant, Halogen-free, Phosphorus-free, Heat stabilized or stable to heat

**Regional Availability**

North America, Europe