

**Staramide AS3**

PA66-GB15

Eurostar Engineering Plastics

| <b>Mechanical properties</b>          | <b>Value</b> | <b>Unit</b>       | <b>Test Standard</b> |
|---------------------------------------|--------------|-------------------|----------------------|
| <b>ISO Data</b>                       |              |                   |                      |
| Tensile Modulus                       | <b>3700</b>  | MPa               | ISO 527              |
| Yield stress                          | <b>75</b>    | MPa               | ISO 527              |
| Stress at break                       | <b>80</b>    | MPa               | ISO 527              |
| Strain at break                       | <b>4</b>     | %                 | ISO 527              |
| Flexural modulus, 23°C                | <b>3200</b>  | MPa               | ISO 178              |
| Charpy impact strength, +23°C         | <b>20</b>    | kJ/m <sup>2</sup> | ISO 179/1eU          |
| Charpy notched impact strength, +23°C | <b>3</b>     | kJ/m <sup>2</sup> | ISO 179/1eA          |
| Izod impact strength, +23°C           | <b>20</b>    | kJ/m <sup>2</sup> | ISO 180/1U           |
| Izod notched impact strength, +23°C   | <b>4</b>     | kJ/m <sup>2</sup> | ISO 180/1A           |

| <b>Thermal properties</b>                   | <b>Value</b> | <b>Unit</b> | <b>Test Standard</b> |
|---|--------------|-------------|----------------------|
| <b>ISO Data</b>                             |              |             |                      |
| Temp. of deflection under load, 1.80 MPa    | <b>85</b>    | °C          | ISO 75-1/-2          |
| Temp. of deflection under load, 0.45 MPa    | <b>230</b>   | °C          | ISO 75-1/-2          |
| Coeff. of linear therm. expansion, parallel | <b>50</b>    | E-6/K       | ISO 11359-1/-2       |
| Coeff. of linear therm. expansion, normal   | <b>50</b>    | E-6/K       | ISO 11359-1/-2       |
| <b>ASTM Data</b>                            |              |             |                      |
| UL 94 Flame rating                          | <b>HB</b>    | -           | UL 94                |
| Thickness tested                            | <b>1.6</b>   | mm          | -                    |

| <b>Electrical properties</b> | <b>Value</b> | <b>Unit</b> | <b>Test Standard</b> |
|------------------------------|--------------|-------------|----------------------|
| <b>ISO Data</b>              |              |             |                      |
| Comparative tracking index   | <b>500</b>   | -           | IEC 60112            |

| <b>Other properties</b> | <b>Value</b> | <b>Unit</b>       | <b>Test Standard</b> |
|-------------------------|--------------|-------------------|----------------------|
| Density                 | <b>1230</b>  | kg/m <sup>3</sup> | ISO 1183             |

**Characteristics****Processing**

Injection Molding, Other Extrusion

**Features**

Low Odor

**Delivery form**

Pellets

**Regional Availability**

Europe