

**SCANAMID 6 B12^ FX30**

PA6-GF30

Polykemi AB

| <b>Processing/Physical Characteristics</b> | <b>dry / cond</b>  | <b>Unit</b>       | <b>Test Standard</b> |
|--|--------------------|-------------------|----------------------|
| <b>ISO Data</b>                            |                    |                   |                      |
| Molding shrinkage, parallel                | <b>0.4 / *</b>     | %                 | ISO 294-4, 2577      |
| Molding shrinkage, normal                  | <b>0.8 / *</b>     | %                 | ISO 294-4, 2577      |
| <b>Mechanical properties</b>               |                    |                   |                      |
| <b>ISO Data</b>                            |                    |                   |                      |
| Tensile Strength                           | <b>120 / 70</b>    | MPa               | ISO 527              |
| Strain at break                            | <b>4 / 7</b>       | %                 | ISO 527              |
| Flexural modulus, 23°C                     | <b>5800 / 3500</b> | MPa               | ISO 178              |
| Charpy notched impact strength, +23°C      | <b>6 / 9</b>       | kJ/m <sup>2</sup> | ISO 179/1eA          |
| <b>ASTM Data</b>                           |                    |                   |                      |
| Shore D Hardness                           | <b>80 / -</b>      | -                 | ASTM D 2240          |
| <b>Thermal properties</b>                  |                    |                   |                      |
| <b>ISO Data</b>                            |                    |                   |                      |
| Temp. of deflection under load, 1.80 MPa   | <b>150 / *</b>     | °C                | ISO 75-1/-2          |
| Temp. of deflection under load, 0.45 MPa   | <b>200 / *</b>     | °C                | ISO 75-1/-2          |
| Vicat softening temperature, B             | <b>200 / *</b>     | °C                | ISO 306              |
| Burning behav. at 1.5 mm nom. thickn.      | <b>HB / *</b>      | class             | IEC 60695-11-10      |
| Thickness tested                           | <b>1.6 / *</b>     | mm                | -                    |
| Glow Wire Ignition Temperature (GWIT)      | <b>650</b>         | °C                | IEC 60695-2-13       |
| GWIT - thickness tested (1)                | <b>2</b>           | mm                | -                    |
| <b>Other properties</b>                    |                    |                   |                      |
| Density                                    | <b>1360 / -</b>    | kg/m <sup>3</sup> | ISO 1183             |

**Characteristics****Processing**

Injection Molding

**Regional Availability**

Europe, Asia Pacific

**Delivery form**

Granules