

## Polyamide GFK

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### General information

|              |            |                                         |
|--------------|------------|-----------------------------------------|
| Designation  | :          | Polyamide 6, glass-fiber reinforced 30% |
| Abbreviation | ISO 1043 : | PA6 GF30                                |
| Flammability | UL94 :     | HB, halogen and phosphorus free         |

### Physical data

|                  |            |      |                   |
|------------------|------------|------|-------------------|
| Density          | ISO 1183 : | 1.36 | g/cm <sup>3</sup> |
| Surface hardness | ISO 2039 : | 121  | N/mm <sup>2</sup> |

### Mechanical data

|                      |           |      |                         |
|----------------------|-----------|------|-------------------------|
| Tensile modulus      | ISO 527 : | 4920 | MPa                     |
| Tensile strength     | ISO 527 : | 114  | MPa                     |
| Ultimate strain      | ISO 527 : | 6    | %                       |
| Izod impact strength | ISO 180 : | 15   | kJ/m <sup>2</sup> +23°C |
|                      |           | 11   | kJ/m <sup>2</sup> -30°C |

### Thermal data

|                              |   |      |    |              |
|------------------------------|---|------|----|--------------|
| Max. application temperature | : | +100 | °C | continuously |
|                              | : | +160 | °C | briefly <10h |
| Min. application temperature | : | -20  | °C |              |

### Chemical resistance

Resistant against mineral oils, fuels, cooling and cutting oils, caustic solutions, diluted organic acids and aqueous solutions of inorganic salts. Not resistant against mineral acids, phenols, halogens, concentrated organic acids, formic acid. Well weatherproof.

### AGRO AG

Hunzenschwil, October 25. 2024

This table is arranged to our best knowledge and is to advise you without obligation. All values are approximate values and are based on tests done by our suppliers. Modifications remain reserving.