

### Technical Data Sheet

## Sustarin<sup>®</sup> C GF 25 black

POM-C

#### Typical characteristics

- High rigidity
- Good dimensional stability
- Low moisture absorption
- Low creep tendency
- High Elasticity
- High hardness

#### Typical industries

- Mechanical Engineering Industry

	Test method	Unit	Guideline value
<b>General properties</b>			
Density	DIN EN ISO 1183-1	g / cm <sup>3</sup>	1,58
Water absorption	DIN EN ISO 62	%	0,2
Flammability (Thickness 3 mm / 6 mm)	UL 94		HB / HB
<b>Mechanical properties</b>			
Yield stress	DIN EN ISO 527	MPa	65
Elongation at break	DIN EN ISO 527	%	3
Tensile modulus of elasticity	DIN EN ISO 527	MPa	4500
Notched impact strength	DIN EN ISO 179	kJ / m <sup>2</sup>	4
Shore hardness	DIN EN ISO 868	scale D	85
<b>Thermal properties</b>			
Melting temperature	ISO 11357-3	°C	165
Coefficient of linear thermal expansion	DIN 53752	10 <sup>-6</sup> / K	30
Service temperature, long term	Average	°C	-20 ... 100
Service temperature, short term (max.)	Average	°C	140
Heat deflection temperature	DIN EN ISO 75, Verf. A, HDT	°C	160

