

Technical Data Sheet

Sustavacu[®] 6 GF black

PA 6

	Test method	Unit	Guideline value
General properties			
Density	DIN EN ISO 1183-1	g / cm ³	1,22
Water absorption	DIN EN ISO 62	%	2,5
Flammability (Thickness 3 mm / 6 mm)	UL 94		HB / HB
Mechanical properties			
Yield stress	DIN EN ISO 527	MPa	105
Elongation at break	DIN EN ISO 527	%	3
Tensile modulus of elasticity	DIN EN ISO 527	MPa	5400
Notched impact strength	DIN EN ISO 179	kJ / m ²	12
Shore hardness	DIN EN ISO 868	scale D	83
Shore hardness	DIN EN ISO 868 / 15 sec	scale D	80
Thermal properties			
Melting temperature	ISO 11357-3	°C	220
Coefficient of linear thermal expansion	DIN 53752	10 ⁻⁶ / K	70
Service temperature, long term	Average	°C	-20...140
Service temperature, short term (max.)	Average	°C	180
Heat deflection temperature	DIN EN ISO 75, Verf. A, HDT	°C	190

