

Technical Data Sheet

Sustatron[®] PPS MOD blue

PPS

Typical characteristics

- High hardness
- High rigidity
- High heat deflection temperature
- Low moisture absorption
- Chemical resistant
- Low wear

Typical industries

- Conveyor Technology & Automation
- Mechanical Engineering Industry

	Test method	Unit	Guideline value
General properties			
Density	DIN EN ISO 1183-1	g / cm ³	1,38
Water absorption	DIN EN ISO 62	%	0,0
Flammability (Thickness 3 mm / 6 mm)	UL 94		V0 / V0
Mechanical properties			
Yield stress	DIN EN ISO 527	MPa	50
Elongation at break	DIN EN ISO 527	%	4
Tensile modulus of elasticity	DIN EN ISO 527	MPa	3000
Notched impact strength	DIN EN ISO 179	kJ / m ²	5,0
Shore hardness	DIN EN ISO 868	scale D	77
Thermal properties			
Melting temperature	ISO 11357-3	°C	285
Coefficient of linear thermal expansion	DIN 53752	10 ⁻⁶ / K	50
Service temperature, long term	Average	°C	-20 ... 220
Service temperature, short term (max.)	Average	°C	260
Electrical properties			
Volume resistivity	DIN EN 62631-3-1	Ω * cm	10 ¹⁶
Surface resistivity	DIN EN 62631-3-2	Ω	10 ¹³

