



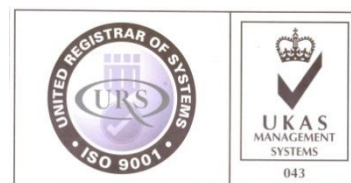
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PAI (Polyamidimide)

**Material Specification
 (Typical Properties)**

Physical

Property	Method	Units	Specification
Specific Gravity	---	g/cm ³	1.4
Water Absorption	DIN EN ISO 62	%	0.69

Mechanical

Property	Method	Units	Specification
Modulus of elasticity (tensile test)	DIN EN ISO 527-1	MPa	4500
Tensile strength	DIN EN ISO 527-1	MPa	110
Elongation at yield	DIN EN ISO 527-1	%	5.5
Elongation at break	DIN EN ISO 178	%	4.3
Flexural strength	DIN EN ISO 178	MPa	162
Modulus of elasticity (flexural test)	DIN EN ISO 178	MPa	4240
Compression strength	EN ISO 604	MPa	474
Compression modulus	EN ISO 604	%	98
Impact strength (Charpy)	DIN EN ISO 179-1eU	kJ/m ²	37.4
Shore hardness	DIN 53505	D	91

Electrical

Property	Method	Units	Specification
Specific surface resistance	DIN IEC 60093	Ω	10 ¹⁵
Specific volume resistance	DIN IEC 60093	Ω*cm	10 ¹⁷

Thermal

Property	Method	Units	Specification
Glass transition temperature	---	°C	340
Service temperature	---	°C	300
Thermal expansion (CLTE)	DIN 53 752	10 ⁻⁵ K ⁻¹	4.8 / -

Disclaimer. These figures are typical values for the material and do not represent a product specification. Properties will vary depending on source of raw material, method of processing, physical form of product, direction of measurement etc.