

P94



The high mechanical stability and the impact resistance of P94 parts ensure good processing with standard tools.

Parts made of Polyimide P94 are excellent performers in thermally and mechanically stressed applications. This novel material features a high glass transition temperature of 337–364°C and a rigid structure (3705 MPa flexural modulus, 188 MPa strength in a three-point-bending experiment), combined with a high elongation at break.

Technical data

	UNIT	P94	TEST METHOD
Specific gravity	g/cm ³	1.38	ASTM D-792
Water absorption	%	0.28	ASTM D-570
Mechanical Properties			
Tensile strength	MPa	140	ASTM D-638
Elongation	%	8	ASTM D-638
Compressive strength	MPa	470	ASTM D-695
Thermal Properties			
Glass transition temperature	°C	337	ASTM D-7028
Linear thermal expansion	10 ⁻⁵ /K	5.2	ASTM D-696