

Typical Polyimide Properties

SJ-100 is an unfilled polymer. SJ-100 parts and shapes are specified for their excellent physical properties, including electrical and thermal insulation at high temperatures.

Property	ASTM	Unit	Temp	SJ-100
Specific Gravity	D-792	g/cm ³	--	1.43
Tensile Strength	D-1708	Mpa	23°C	80
		Mpa	250°C	40
Elongation	D-1708	%	23°C	6.5
Flexural Strength	D-790	Mpa	23°C	105
		Mpa	250°C	60
Compressive Strength	D-695	Mpa	23°C	150
		Mpa	250°C	70
Compressive Modulus	D-695	Gpa	23°C	2.4
Charpy Impact Strength	D-256	KJ/m ²	23°C	40
Hardness	D-785	Rockwell E	--	55
HDT	D-648	°C	--	>360