

Typical Polyimide Properties

SJ-140P resin is supplied as a powder that is readily used for HCM (hot compression molding), and to produce shapes are specified for their excellent physical properties, including higher temperature resistance and better plasma radiation resistance.

Property	ASTM	Unit	Temp	SJ-140
Appearance	--	--	--	yellow powder
Specific Gravity	D-792	g/cm ³	--	1.42
Tensile Strength	D-1708	Mpa	23°C	65
		Mpa	250°C	34
Elongation	D-1708	%	23°C	4.3
Flexural Strength	D-790	Mpa	23°C	116
		Mpa	250°C	56
Compressive Strength	D-695	Mpa	23°C	160
		Mpa	250°C	82
Compressive Modulus	D-695	Gpa	23°C	2.4
Charpy Impact Strength	D-256	KJ/m ²	23°C	15
HDT	D-648	°C	--	>360