

Typical Polyimide Properties

SJ-115P resin is supplied as a powder with 15% graphite that is readily used for HCM (hot compression molding). It is particularly suitable for tribological applications owing to its improved friction and wear behaviour.

Property	ASTM	Unit	Temp	SJ-115P
Appearance	--	--	--	grey-green powder
Specific Gravity	D-792	g/cm ³	--	1.50
Tensile Strength	D-1708	Mpa	23°C	60
		Mpa	250°C	35
Elongation	D-1708	%	23°C	5.8
Flexural Strength	D-790	Mpa	23°C	75
		Mpa	250°C	46
Compressive Strength	D-695	Mpa	23°C	105
Compressive Modulus	D-695	Gpa	23°C	2.2
Charpy Impact Strength	D-256	KJ/m ²	23°C	30
Friction Coefficient	D-3702	--	--	0.24
HDT	D-648	°C	--	>360