

Typical Polyimide Properties

SJ-115P(DF) resin is supplied as a powder with 15% graphite that is readily used for DF (direct-formed). SJ-115P(DF) direct-formed parts provide low wear and friction for bearing, thrust washers, and dynamic seals.

Property	ASTM	Unit	Temp	SJ-115P(DF)
Appearance	--	--	--	grey-green powder
Specific Gravity	D-792	g/cm ³	--	1.43
Tensile Strength	D-1708	Mpa	23°C	52
		Mpa	250°C	26
Elongation	D-1708	%	23°C	5.1
Flexural Strength	D-790	Mpa	23°C	68
		Mpa	250°C	37
Compressive Strength	D-695	Mpa	23°C	94
Compressive Modulus	D-695	Gpa	23°C	1.9
Charpy Impact Strength	D-256	KJ/m ²	23°C	20
Friction Coefficient	D-3702	--	--	0.24
HDT	D-648	°C	--	> 360