

Typical Polyimide Properties

SJ-115 is a graphite-filled polymer. SJ-115 parts and shapes provide low wear and friction for bearing, thrust washers, and dynamic seals.

Property	ASTM	Unit	Temp	SJ-115
Specific Gravity	D-792	g/cm ³	--	1.50
Tensile Strength	D-1708	Mpa	23°C	55
		Mpa	250°C	30
Elongation	D-1708	%	23°C	5.2
Flexural Strength	D-790	Mpa	23°C	75
		Mpa	250°C	46
Compressive Strength	D-695	Mpa	23°C	102
		Mpa	250°C	65
Compressive Modulus	D-695	Gpa	23°C	2.2
Charpy Impact Strength	D-256	KJ/m ²	23°C	25
Hardness	D-785	Rockwell E	--	32
Friction Coefficient	D-3702	--	--	0.24
HDT	D-648	°C	--	>360