

LUXEL POLYIMIDE COMPARISON CHART

	LUXFilm® Polyimide	LUXFilm® EM	LUXFilm® NC	LUXFilm® EL
Modulus of Elongation	High	High	Low	Medium
Tensile Strength	☆☆☆☆	☆☆☆☆	☆	☆☆
Elongation @ Break	☆☆	☆☆	☆☆☆	☆☆☆
Hemispherical Deformation Achievable	60-70%	60-70%	100%	90-100%
Cryogenically Tested	x	x		
EM Image Clarity (low noise)	☆☆	☆☆☆☆	☆☆☆☆	
EM Charge Dissipation	☆☆	☆☆	☆☆	
Solvent Resistance	☆☆☆☆	☆☆☆☆	☆	☆☆☆☆
Cost	\$\$\$	\$\$	\$	\$\$\$
Application Areas	Bandpass filters, gas separation windows, spaceflight, laser targets	GridTape®, TEM grids	GridTape®, TEM grids	Shaped windows, gasbags and domed laser targets