

Ultra thin polyimide film

Kapton® 20EN

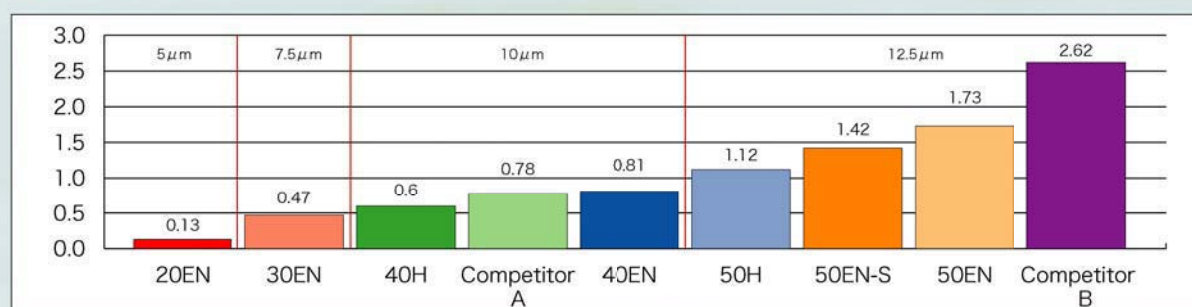
Feature of Kapton® 20EN

- The thinnest in Polyimide Films -5 μ m thickness
- Low spring back FPC -Enhancing Weight Saving/Miniaturization/Thinning of Electronic Equipment
- Low Thermal Resistance -Best Suited to Radiant Heat Tape

Film property

Item	Unit	20EN (Under development)	30EN	50EN	50H	100H	Method
Thickness	(μ m)	5	7.5	12.5	12.5	25	—
Tensile strength	(MPa)	335	335	380	360	350	JIS C 2318
Elongation	(%)	55	58	62	80	82	JIS C 2318
Modulus	(GPa)	5	5	5	3	3	ASTM D-882
CTE	(ppm/°C)	16	16	16	27	27	50~200°C
BDV	(kV/mm)	398	398	392	411	375	JIS 2318
BDV	(kV)	2.1	3.0	4.9	5.1	9.4	JIS 2318
Heat thermal resistance	(°C/W)	0.28	0.42	0.69	0.78	1.6	—
Thermal conductivity	(W/mk)	0.18	0.18	0.18	0.16	0.16	—

Stiffness (mN/cm)



Experiment with FPC



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