

TURASAŞ ESKİŞEHİR BÖLGE MÜDÜRLÜĞÜ	TEKNİK BİLGİ	T.B. 6112		
		TADİLAT	A	
		TARİH	01.02.22	
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KONU POLYIMIDE FILM
REFERANS

REQUIREMENTS:-

1. Properties:

Tensile strength (ASTM D882-64T), LW & CW, psi, min. 20,000

Elongation (ASTM D882-64T), %, min.:

Thickness, Inch	Elongation, %
0.001	35
0.002	40
0.003	45
0.005	45

Tear Strength (ASTM D1004-66), grams/mil., min. 113

Moisture Absorption (ASTM D756-56 , except procedure shall be 24 hours at 100°F. and 100% R.H.), %, max. 3.5

Dimensional Stability (ASTM D1204-54) 2 hrs. at 400°C., %, max. 3.0

Dielectric Strength (ASTM D149-64) 1/4" Electrode, VPM, min.:

Thickness, Inch	Dielectric Strength, VPM, Min.
0.001	4500
0.002	3800
0.003	3600
0.005	2500

2. Tolerances:

Width: $\pm 1/32$ inch from specified width.

Thickness: (ASTM D374-57T)

0.001 $\pm$.0002

0.002 $\pm$.0003

0.003 $\pm$.0003

0.005 $\pm$.0005

3. Defects:

Tape Rolls: No shiners, weave, dish, or core protrusion, or any other roll defect alone or in combination shall exceed the nominal width of tape by more than 1/16 inch. Measurement to be made by laying the tape roll upon or against a flat surface. Neither the roll or core shall extend more than 1/16 inch beyond the nominal tape width.

HAZIRLAYAN	MEKANİK SİSTEM TASARIM VE PROJELENDİRME MÜDÜRLÜĞÜ	TARİH	01.07.1991	SAYFA	1/2
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KONU POLYIMIDE FILM
REFERANS3. Defects: (Continued)

Sheets: To have total area contact when laid upon a flat surface except that a crown of 1/2 inch maximum height across the 4 inch sheet width (measured with convex side of sheet up) is acceptable.

4. Splices: To be two, maximum for 0.001" and 0.002" thick tape, and seven, maximum, for 0.003" and 0.005" thick film. Splices to be butt-type and covered both sides with Kapton tape for the 0.001" and 0.002" tape and with Mylar (yellow) for the 0.003" and 0.005" film.

5. <u>Packaging:</u>	.001"	.002"	.003"	.005"
Core I.D., inches	1 1/2	1 1/2	3	3
Roll O.D., inches	4±1/4	4 1/4±1/4	13 ± 1/4	13 ± 1/4
Slit Width of film, inches	3/4	5/8	4	4
Nominal length of film, feet	900	475	3400	2000

6. Identification: Each unit shall be marked with product name, width, thickness, mill roll number and date of shipment.

.001" tape, unit is stack of 9 rolls.

.002" tape, unit is stack of 10 rolls.

.003" sheet, unit is each roll

.005" sheet, unit is each roll

Net weight shall appear on each carton.

GENERAL INFORMATION:- (Not Mandatory Vendor Requirements)

T.B 6112 is an organic dielectric film that can be used at operating temperatures up to 250°C.