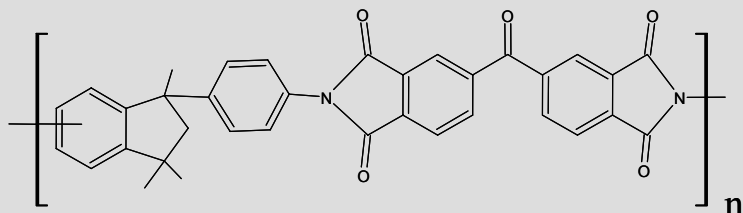


Durimide[®] 20 – 500A, 1200A & 1.2 μm

Product description:

Durimide 20 is a fully imidized polyimide used primarily as a lift-off layer. The material does not require a high temperature cure and many customers use final hardbake temperatures between 200 and 250°C. The pre-imidized structure imparts the characteristics of low shrinkage upon hardbake and formulation room temperature stability.

The Structure of Durimide 20



Product Characteristics of Durimide 20

Parameter	Unit	20 - 500A	20 - 1200A	20 - 1.2μm
Viscosity Range, 25°C	cSt	5-10	8-14	430-530
Coating Range	μm	300-700A	600-2000A	1.0-3.0μm
Filtration	μm	0.2	0.2	0.2
Solids	%	1-2	3-4	11-12
Casting Solvent		Gammabutyrolactone/ Cyclohexanone		
Flash point	°C	49	55	82
Shelf Life	Year	1	1	1

Hardbake recommendations

Convection oven:

Start temperature: 100-150°C

Ramp to final temp, 3-5°C/min

Hold for 1 - 4hours

Ramp down to 150°C before removing from oven

Wafers must be loaded in a horizontal position if not softbaked after coating

Polyimide Strip Solutions:

QZ3322

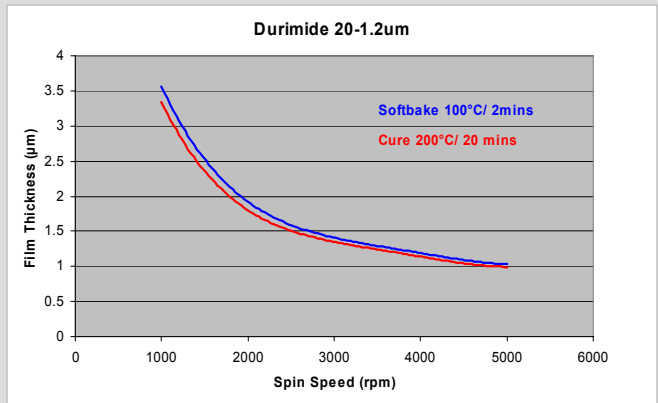
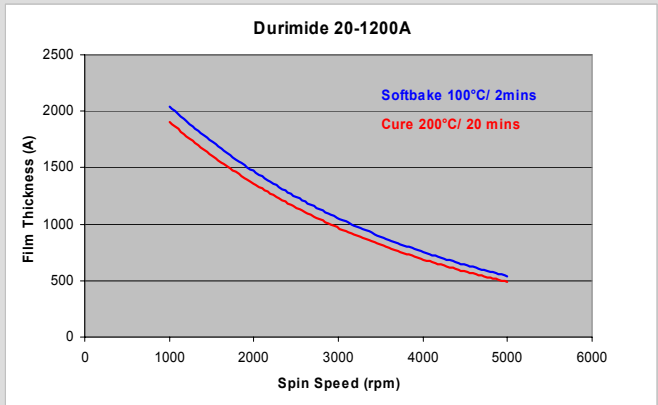
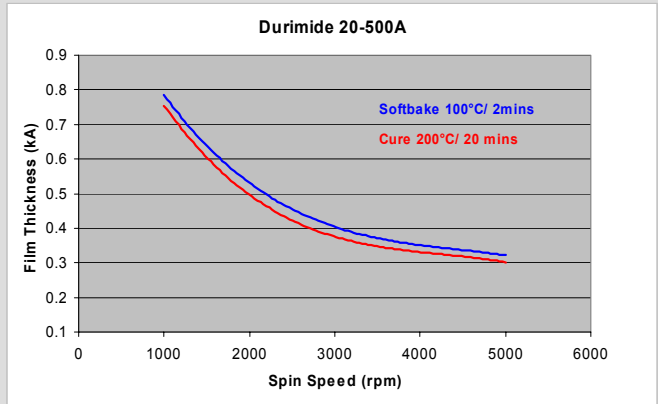
NMP based photoresist stripper

– Microstrip 2001

Properties of Durimide 20

Hardbake, °C	180	250
Tensile Strength, MPa	120	142
Young's Modulus, GPa	2.7	3.7
Elongation, %	105	103
CTE, ppm/°C	NA	48

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