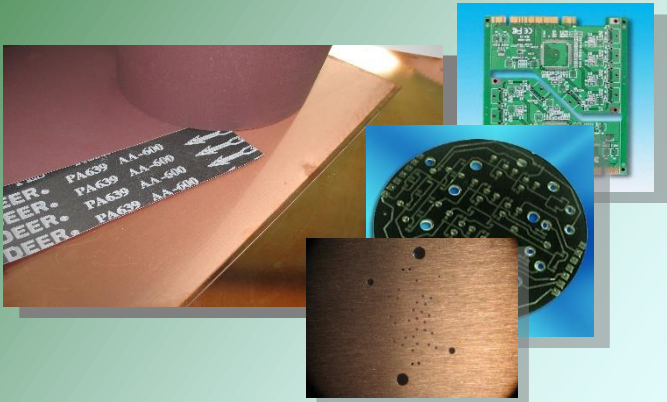


DEERFOS's
Progressive New Products for "PCB" (New PA639)

Progressive New PA639 is invented by DEERFOS. The application of this is PCB for sanding. This item can provide better grinding performance and illumination which customer required in order to produce high quality PCB.

New PA639 is Partner product of produce high quality PCB



New Application Technology

1. The new Multi Layer process method.

- Adhered the state of the art grain to make it multi Layered
Formed into Multi Layer through continuing process.

2. Technique of product Dressing.

- Controlling the surface evenness to guarantee initial roughness.

3. Applied a new wet-condition used grinding aid.

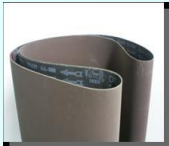
- Nano grinding aid and additives to make grinding efficiency and roughness much better in wet condition.

New PA639 Roughness (P800)

(Competition Comparison)

Item	NEW PA639	PA639	Competition
Roughness Average (Ra)	0.30~0.35	0.35~0.40	0.35~0.40

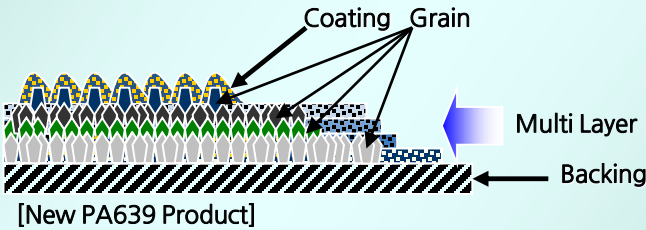
[Table.1]



And, it display good capacity when customer use finishing process of PCB and soft nonferrous

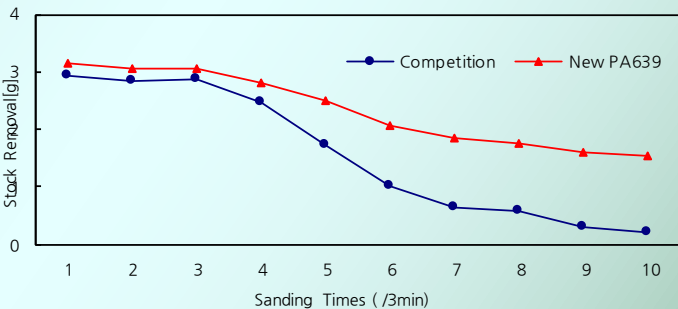
New PA639 Structure

Multi Layer Processing Method
Special Coating Design



New PA639 Sanding Graph

(Competition comparison Sanding)



[Table .2]

Progressive New PA639 is maximized item for grinding life time through special coating and special backing [Table . 2]

[Using purpose]

- Wet & Dry sanding
- PCB & precision processing sanding
- Part of Automotive Sanding
- Sanding performance increased by Grinding Aid inclusive

[Work piece purpose]

- PCB (Print Circuit Board), Tool making industry
- Stainless Steel
- Carbon Steel
- High cobalt, nickel alloys
- Aluminum and zinc die casting

[Available SANDER / GRINDER]

- Back stand grinder
- Stationary or portable belt grinder
- Planetary grinder
- Wide belt grinder, Automatic rotary grinder

DEERFOS's New PCB Product

Product Type : PA639

- Backing : Xwt (Poly/Cotton)
- Grain : Premium Alumina Oxide
- Total width : 1380mm
- Using application : Narrow & Wild belt/ Roll

- Coating state : Grinding Aid included
- Item Form : Narrow & Wild Belt / Roll