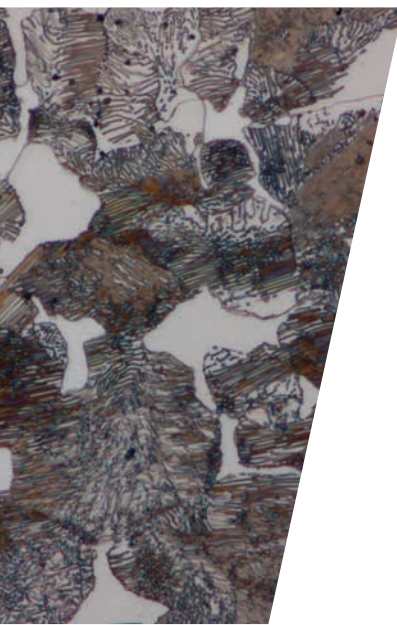
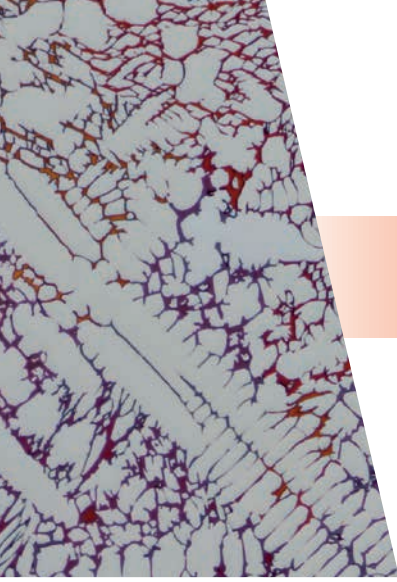


CarbiMet™ & MicroCut™ Abrasive Papers



CarbiMet™ and MicroCut™ Abrasive Paper Family

Customized abrasive paper system- high quality paper, specialty S backing and bond coat all designed specific for materials preparation and analysis. Providing exceptional final surface finishes and the best possible lifetime, these premium abrasive papers are available in a variety of diameters and grit sizes providing the required solution for a the widest variety of applications. With three backings available, choose the solution that is best for you: S backing - offering the most convenient, consistent and predictable application and removal; PSA backing - offers convenient application and removal once clear backing is removed; Plain backing - offers an economical solution, but requires water or a paper holding band during application.

Excellent quality

- High quality surface provides improved material removal rates
- Resultant scratch patterns and deformation are shallow and consistent
- Electrostatically applied abrasives provide consistent coverage, aligned sharp particles and strong adhesion to the bond system, providing long life and predictable results

Fine Abrasive Sizes Available

- MicroCut Abrasive discs offer our finest grit sizes
- Waterproof coating provides long life and durability
- Slurry coated for superior surface finish

Clear Markings

- Grit size and disc dimensions clearly identified
- Easy access box

Waterproof coating

- Waterproof coating protect paper from water absorption
- Improved flexibility
- Resistant to folding and tearing

Various Backing Options

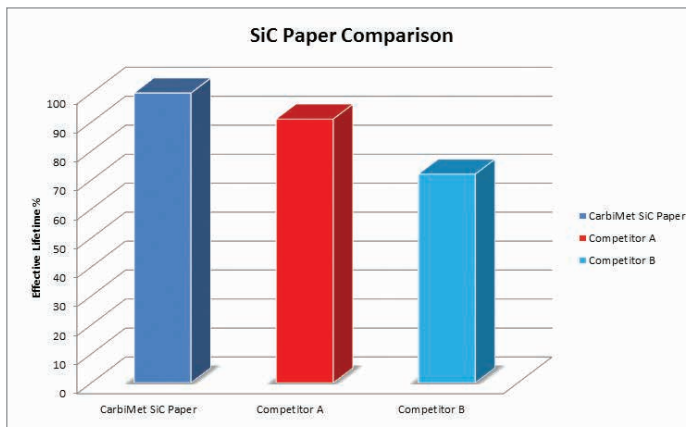
- Apex S backing compatible with Apex S Carrier Films for effortless application and removal (*best option*)
- PSA backing for use on any platen system (*better option*)
- Plain backing for use with water or with paper holding bands (*good option*)

Convenient Storage

- Stackable box with removable panel for easy access



At a Glance



CarbiMet provides a longer useful life when compared to two other competitive abrasive papers.

Scratch Patterns Steel

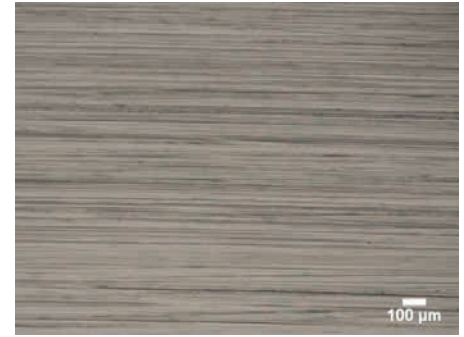
As prepared according to SumMet™ method with CarbiMet™ abrasive papers.



80 grit [P80]



120 grit [P120]



180 grit [P180]



220 grit [P240]



280 grit [P320]



320 grit [P400]



360 grit [P600]



400 grit [P800]



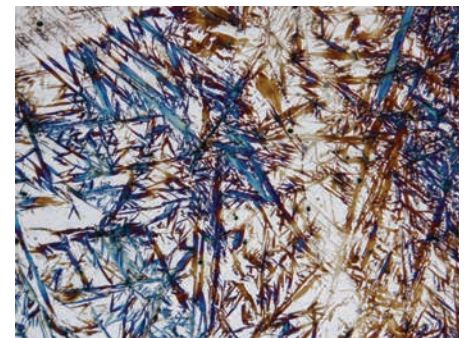
500 grit [P1000]



600 grit [P1200]



1000 grit [P2500]



Martensitic Steel with retained Austenite etched with Klemm II 20x. Prepared according to SumMet method using CarbiMet abrasive papers.

Scratch Patterns Brass

As prepared according to SumMet™ method with CarbiMet™ abrasive papers.



80 grit [P80]



120 grit [P120]



180 grit [P180]



220 grit [P240]



280 grit [P320]



320 grit [P400]



360 grit [P600]



400 grit [P800]



500 grit [P1000]



600 grit [P1200]



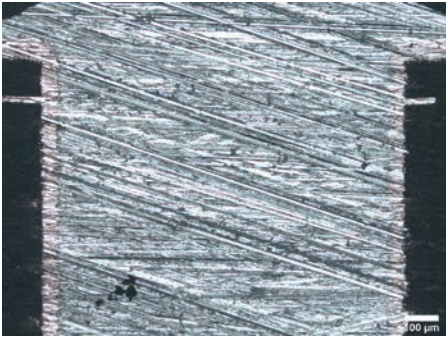
1000 grit [P2500]



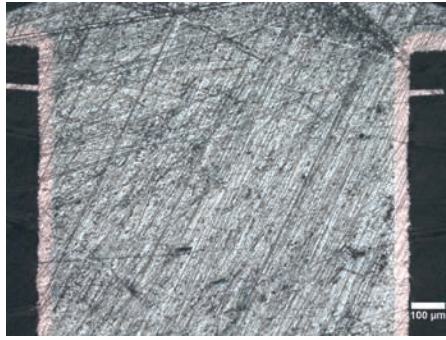
Brass as cast etched with Klemm III 10x.
Prepared according to SumMet method
using CarbiMet abrasive papers.

Scratch Patterns Electronics

Solder ball as prepared according to SumMet™ method with CarbiMet™ abrasive papers.



320 grit [P400]



TexMet™ P 9µm



VerduTex™ 3µm



VerduTex™ 1µm



ChemoMet™ 0.05µm

CarbiMet™ S & MicroCut™ S Abrasive Discs (qty 100)

- Use with Apex™ S Carrier Films
- Designed for superior grinding performance
- Provides rapid material removal and uniform surface finish
- Exceptional life to material removal Ratio



Apex S Backed

Grit Size - ANSI [FEPA]	Approx. Micron Size	8in [203mm]	10in [254mm]	12in [305mm]
CarbiMet S				
80 [P80]	188	16-08-0080	16-10-0080	16-12-0080
120 [P120]	127	16-08-0120	16-10-0120	16-12-0120
180 [P180]	78	16-08-0180	16-10-0180	16-12-0180
220 [P240]	58	16-08-0220	16-10-0220	16-12-0220
240 [P280]	52	16-08-0240	16-10-0240	16-12-0240
280 [P320]	46	16-08-0280	16-10-0280	16-12-0280
320 [P400]	35	16-08-0320	16-10-0320	16-12-0320
360 [P600]	26	16-08-0360	16-10-0360	16-12-0360
400 [P800]	22	16-08-0400	16-10-0400	16-12-0400
500 [P1000]	18	16-08-0500	16-10-0500	16-12-0500
600 [P1200]	15	16-08-0600	16-10-0600	16-12-0600
800 [P2500]	8.4	16-08-1000	16-10-1000	16-12-1000
MicroCut S				
800 [P1500] MicroCut S Disc	13	16-08-0800	16-10-0800	16-12-0800
1200 [P2500] MicroCut S Disc	8	16-08-1200	16-10-1200	16-12-1200
P4000 MicroCut S Disc	5	16-08-4000	16-10-4000	16-12-4000
Apex S Carrier Films				
Apex S Carrier Film, metal backed (qty 2)		16-2074	16-2574	16-3074
Apex S Carrier Film, PSA backed (qty 2)		16-2075	16-2575	16-3075

Apex S Carrier Films (qty 2)

- For use with CarbiMet S and MicroCut S

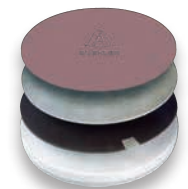
Type	8in [203mm]	10in [254mm]	12in [305mm]
Apex S Carrier Film, magnetic backed	16-2074	16-2574	16-3074
Apex S Carrier Film, PSA backed	16-2075	16-2575	16-3075



Apex Quick Change Magnetic System

- For use with CarbiMet PSA and MicroCut PSA

Type	8in [203mm]	10in [254mm]	12in [305mm]
Apex M- PSA backed Magnetic disc (qty 1)	41-2739-608-001	41-2739-610-001	41-2739-612-001
Apex B- Bimetallic Plate (qty 1)	41-2739-208-001	41-2739-210-001	41-2739-212-001
Apex MagnoDisc- Platen with magnet insalled (qty 1)	16-2071	16-2571	16-3071
Apex MagnoFix-PSA backed Magnetic disc (qty 1)	16-2070	16-2570	16-3070
Apex MagnoMet- Metallic plates (qty 5)	16-2072	16-2572	16-3072
Apex MagnoPad- Teflon coated Metallic plates (qty 5)	16-2073	16-2573	16-3073



CarbiMet™ & MicroCut™ Abrasive Discs (qty 100)

- Designed for superior grinding performance
- Provides rapid material removal and uniform surface finish
- Exceptional Life to Material Removal Ratio
- Premium water resistant "C" weight paper



PSA Backed

Grit Size - ANSI [FEPA]	Approx. Micron Size	8in [203mm]	10in [254mm]	12in [305mm]
CarbiMet				
80 [P80]	188	36-08-0080	36-10-0080	36-12-0080
120 [P120]	127	36-08-0120	36-10-0120	36-12-0120
180 [P180]	78	36-08-0180	36-10-0180	36-12-0180
220 [P240]	58	36-08-0220	36-10-0220	36-12-0220
240 [P280]	52	36-08-0240	36-10-0240	36-12-0240
280 [P320]	46	36-08-0280	36-10-0280	36-12-0280
320 [P400]	35	36-08-0320	36-10-0320	36-12-0320
360 [P600]	26	36-08-0360	36-10-0360	36-12-0360
400 [P800]	22	36-08-0400	36-10-0400	36-12-0400
500 [P1000]	18	36-08-0500	36-10-0500	36-12-0500
600 [P1200]	15	36-08-0600	36-10-0600	36-12-0600
1000 [P2500]		36-08-1000	36-10-1000	36-12-1000
MicroCut				
800 [P1500] MicroCut Disc	13	36-08-0800	36-10-0800	36-12-0800
1200 [P2500] MicroCut Disc	8	36-08-1200	36-10-1200	36-12-1200
P4000 MicroCut Disc	5	36-08-4000	36-10-4000	36-12-4000

Plain Backed

Grit Size - ANSI [FEPA]	Approx. Micron Size	8in [200mm]	10in [250mm]	12in [305mm]
CarbiMet				
80 [P80]	188	30-08-0080	30-10-0080	30-12-0080
120 [P120]	127	30-08-0120	30-10-0120	30-12-0120
180 [P180]	78	30-08-0180	30-10-0180	30-12-0180
220 [P240]	58	30-08-0220	30-10-0220	30-12-0220
240 [P280]	52	30-08-0240	30-10-0240	30-12-0240
280 [P320]	46	30-08-0280	30-10-0280	30-12-0280
320 [P400]	35	30-08-0320	30-10-0320	30-12-0320
360 [P600]	26	30-08-0360	30-10-0360	30-12-0360
400 [P800]	22	30-08-0400	30-10-0400	30-12-0400
500 [P1000]	18	30-08-0500	30-10-0500	30-12-0500
600 [P1200]	15	30-08-0600	30-10-0600	30-12-0600
1000 [P2500]		30-08-1000	30-10-1000	30-12-1000
MicroCut		8in [203mm]	10in [254mm]	12in [305mm]
800 [P1500] MicroCut Disc	13	30-08-0800	30-10-0800	30-12-0800
1200 [P2500] MicroCut Disc	8	30-08-1200	30-10-1200	30-12-1200
P4000 MicroCut Disc	5	30-08-4000	30-10-4000	30-12-4000
MetGrip™ LIners (qty 10)		30-8508	30-8510	30-8512

Grinding & Polishing Consumables for MiniMet 1000

Abrasive Discs, PSA Backed, 2.875in [73mm] (qty 100)



CarbiMet™ 2 Discs

36-02-0120 – 120 [P120]	127µm
36-02-0180 – 180 [P180]	78µm
36-02-0240 – 240 [P280]	52µm
36-02-0320 – 320 [P400]	35µm
36-02-0400 – 400 [P800]	22µm
36-02-0600 – 600 [P1200]	15µm

MicroCut™ Discs

36-02-0800 – 800 [P1500]	13µm
36-02-1200 – 1200 [P2500]	8µm

CarbiMet Rolls - 3.44in x 60ft [87mm x 18m]

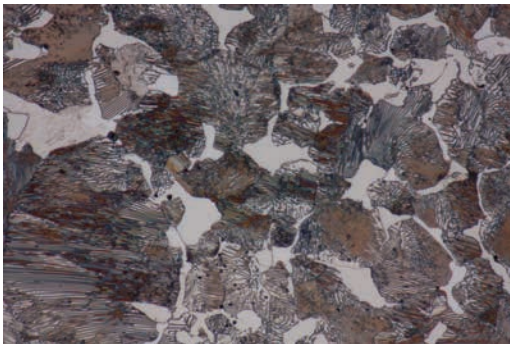
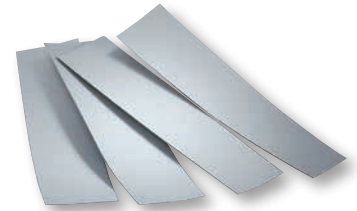
Grit Size ANSI [FEPA]	Approx. Micron Size	Part Number
240 [P280]	52	30-040-240
320 [P400]	35	30-040-320
400 [P800]	22	30-040-400
600 [P1200]	15	30-040-600



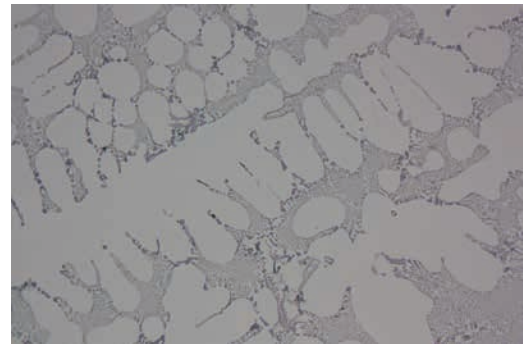
CarbiMet Strips for Legacy Grinders (qty 100)

3in x 11in [76 x 279mm]

Grit Size ANSI [FEPA]	Part Number
240 [P280]	36-030-0240
320 [P400]	36-030-0320
400 [P800]	36-030-0400
600 [P1200]	36-030-0600



C Steel etched with Nital 20X . Prepared according to SumMet method using CarbiMet abrasive papers.



AlSi10MG alloys unetched 20x. Prepared according to SumMet method using CarbiMet abrasive papers.



Shop online at www.buehler.com. (US, DE, FR and UK only)

For a complete listing of consumables, visit our website at www.buehler.com or refer our Product Catalogue. Buehler continuously makes product improvements; therefore technical specifications are subject to change without notice.

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