

## Grinding paper selection

There are two types of SiC paper. One is ordinary SiC paper, and the other is water-resistant SiC paper. With the lubrication of water, water-resistant SiC paper can reduce grinding scratches, dust and make material surface more perfect.

There are various abrasive materials, such as white fused alumina, silicon carbide, brown fused alumina...and so on. The grinding papers generally used for metallographic are silicon carbide papers. Using SiC papers #240, #400, #600, #800 to grind the specimen gradually and orderly ensures that the specimen scratches can be removed. For soft metals, using finer SiC paper is required, before the subsequent polishing steps are implemented.

### Grits

- Conversion chart of FEPA P and ANSI



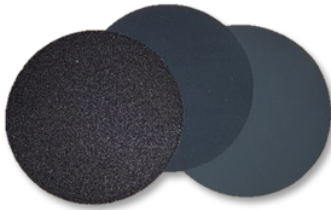
Grain Size (μm)	FEPA P (Europe)	ANSI (US)
269	P60	
250		#60
127	P120	
106		#120
78	P180	
75		#180
63		#240
58.5	P240	
46.2	P320	
40.5		#320
30.2	P500	
25.8		#400
21.8	P800	
18.3	P1000	
15.3	P1200	#600
6.5		#800
2.5		#1200

※ ANSI : In accordance with ANSI B74.18-2006 Standards

※ FEPA P : In accordance with FEPA 43-GB-1984 (R1993) Standards

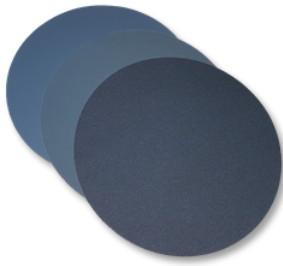
# FEPA P

- Grain size different from ANSI



Order No.	Size	Grits	Pack (pcs/box)
SiC Paper (Plain Back)			
S0520002-1	8"(Ø200mm)	P80	100
S0520003-1	8"(Ø200mm)	P100	100
S0520004-1	8"(Ø200mm)	P120	100
S0520005-1	8"(Ø200mm)	P150	100
S0520006-1	8"(Ø200mm)	P180	100
S0520007-1	8"(Ø200mm)	P240	100
S0520008-1	8"(Ø200mm)	P320	100
S0520009-1	8"(Ø200mm)	P400	100
S0520010-1	8"(Ø200mm)	P600	100
S0520011-1	8"(Ø200mm)	P800	100
S0520012-1	8"(Ø200mm)	P1000	100
S0520013-1	8"(Ø200mm)	P1200	100
S0520014-1	8"(Ø200mm)	P1500	100
S0520015-1	8"(Ø200mm)	P2000	100

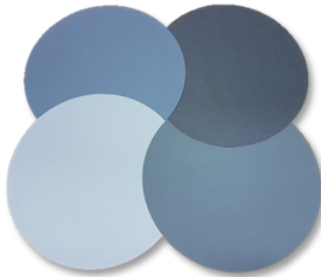
Order No.	Size	Grits	Pack (pcs/box)
SiC Paper (Plain Back)			
S0525002-1	10"(Ø250mm)	P80	100
S0525003-1	10"(Ø250mm)	P100	100
S0525006-1	10"(Ø250mm)	P180	100
S0525007-1	10"(Ø250mm)	P240	100
S0525008-1	10"(Ø250mm)	P320	100
S0525009-1	10"(Ø250mm)	P400	100
S0525010-1	10"(Ø250mm)	P600	100
S0525011-1	10"(Ø250mm)	P800	100
S0525012-1	10"(Ø250mm)	P1000	100
S0525013-1	10"(Ø250mm)	P1200	100
S0525014-1	10"(Ø250mm)	P1500	100
S0525015-1	10"(Ø250mm)	P2000	100



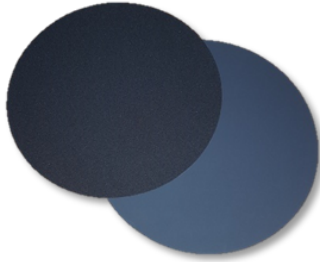
	Size	Grits	Pack (pcs/box)
Order No.	SiC Paper		
S0530001-1	12" (Ø300mm)	P60	100
S0530004-1	12" (Ø300mm)	P120	100
S0530007-1	12" (Ø300mm)	P240	100
S0530008-1	12" (Ø300mm)	P320	100
S0530009-1	12" (Ø300mm)	P400	100
S0530010-1	12" (Ø300mm)	P600	100
S0530011-1	12" (Ø300mm)	P800	100
S0530012-1	12" (Ø300mm)	P1000	100
S0530013-1	12" (Ø300mm)	P1200	100
S0530014-1	12" (Ø300mm)	P1500	100
S0530015-1	12" (Ø300mm)	P2000	100

## ANSI

- Grain size different from FEPA P



	Size	Grits	Pack (pcs/box)
Order No.	SiC Paper		
S0520080060AU-1	8" (Ø200mm)	#60	100
S0520080120AU-1	8" (Ø200mm)	#120	100
S0520080180AU-1	8" (Ø200mm)	#180	100
S0520080240AU-1	8" (Ø200mm)	#240	100
S0520080320AU-1	8" (Ø200mm)	#320	100
S0520080400AU-1	8" (Ø200mm)	#400	100
S0520080600AU-1	8" (Ø200mm)	#600	100
S0520080800AU-1	8" (Ø200mm)	#800	100
S0520081000AU-1	8" (Ø200mm)	#1000	100
S0520081200AU-1	8" (Ø200mm)	#1200	100



	Size	Grits	Pack (pcs/box)
Order No.	SiC Paper (Plain Back)		
S0525100060AU-1	10''(Ø255mm)	#60	100
S0525100120AU-1	10''(Ø255mm)	#120	100
S0525100180AU-1	10''(Ø255mm)	#180	100
S0525100240AU-1	10''(Ø255mm)	#240	100
S0525100320AU-1	10''(Ø255mm)	#320	100
S0525100400AU-1	10''(Ø255mm)	#400	100
S0525100600AU-1	10''(Ø255mm)	#600	100
S0525100800AU-1	10''(Ø255mm)	#800	100
S0525101000AU-1	10''(Ø255mm)	#1000	100
S0525101200AU-1	10''(Ø255mm)	#1200	100

Order No.	SiC Paper (Plain Back)		
S0530120060AU-1	12''(Ø305mm)	#60	100
S0530120120AU-1	12''(Ø305mm)	#120	100
S0530120180AU-1	12''(Ø305mm)	#180	100
S0530120240AU-1	12''(Ø305mm)	#240	100
S0530120320AU-1	12''(Ø305mm)	#320	100
S0530120400AU-1	12''(Ø305mm)	#400	100
S0530120600AU-1	12''(Ø305mm)	#600	100
S0530120800AU-1	12''(Ø305mm)	#800	100
S0530121200AU-1	12''(Ø305mm)	#1200	100

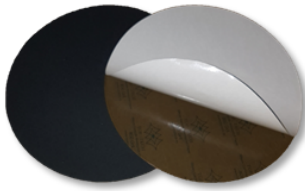
## FEPA P

- Grain size different from ANSI



	Size	Grits	Pack (pcs/box)
Order No.	SiC Paper (PSA Back)		
S05A20006-1	8"(Ø200mm)	P180	100
S05A20007-1	8"(Ø200mm)	P240	100
S05A20008-1	8"(Ø200mm)	P320	100
S05A20009-1	8"(Ø200mm)	P400	100
S05A20010-1	8"(Ø200mm)	P600	100
S05A20011-1	8"(Ø200mm)	P800	100
S05A20012-1	8"(Ø200mm)	P1000	100
S05A20013-1	8"(Ø200mm)	P1200	100
S05A20014-1	8"(Ø200mm)	P1500	100
S05A20015-1	8"(Ø200mm)	P2000	100

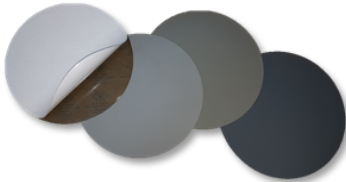
Order No.	SiC Paper (PSA Back)		
S05A25006-1	10"(Ø250mm)	P180	100
S05A25007-1	10"(Ø250mm)	P240	100
S05A25008-1	10"(Ø250mm)	P320	100
S05A25009-1	10"(Ø250mm)	P400	100
S05A25010-1	10"(Ø250mm)	P600	100
S05A25011-1	10"(Ø250mm)	P800	100
S05A25012-1	10"(Ø250mm)	P1000	100
S05A25013-1	10"(Ø250mm)	P1200	100
S05A25014-1	10"(Ø250mm)	P1500	100
S05A25015-1	10"(Ø250mm)	P2000	100



	Size	Grits	Pack (pcs/box)
Order No.	SiC Grinding Paper (PSA Back)		
S05A30004-1	12"(Ø300mm)	P120	100
S05A30006-1	12"(Ø300mm)	P180	100
S05A30007-1	12"(Ø300mm)	P240	100
S05A30010-1	12"(Ø300mm)	P600	100
S05A30011-1	12"(Ø300mm)	P800	100
S05A30012-1	12"(Ø300mm)	P1000	100
S05A30013-1	12"(Ø300mm)	P1200	100
S05A30014-1	12"(Ø300mm)	P1500	100
S05A30015-1	12"(Ø300mm)	P2000	100

## ANSI

- Grain size different from FEPA P



	Size	Grits	Pack (pcs/box)
Order No.	SiC Grinding Paper (PSA Back)		
S05A25100600AU-1	10"(Ø250mm)	#600	100
S05A25100800AU-1	10"(Ø250mm)	#800	100
S05A25101000AU-1	10"(Ø250mm)	#1000	100
S05A25101200AU-1	10"(Ø250mm)	#1200	100

Order No.	SiC Grinding Paper (PSA Back)		
S05A30120600AU-1	12"(Ø300mm)	#600	100
S05A30120800AU-1	12"(Ø300mm)	#800	100
S05A30121000AU-1	12"(Ø300mm)	#1000	100
S05A30121200AU-1	12"(Ø300mm)	#1200	100