

# DIAMOND LAPPING COMPOUND



## CATEGORY DEFINITION

Norton diamond lapping compound polishes all materials – hard and soft. Diamond powders are uniformly distributed in a liquid vehicle for aggressive polishing and consistent part quality. Easy-to-use plastic syringe for quick clean-up.

**APPLICATIONS:** For mold, die, and tool polishing, polishing to final tolerance of ceramic parts, initial charging of lapping plates and discs, and other processes that require mirror finish and close tolerance performance.

**SYRINGE SIZE:** 5 and 18 gram syringes

**TYPE:** Water soluble – when soap/water is used for clean-up  
Oil soluble – when solvent is used for clean-up

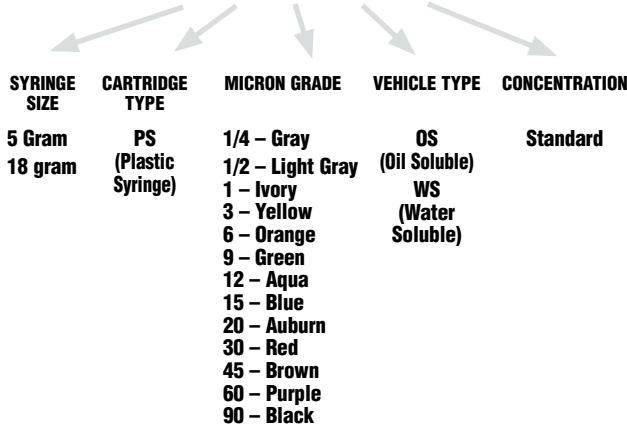
PRODUCT NO.	MICRON GRADE	COLOR	PART NO.	
<b>Diamond Compound – Water Soluble</b>				
<b>5 Gram Syringes</b>				
5PS1/4WSSTD	1/4	Ultra Fine	Gray	66260300362
5PS1/2WSSTD	1/2	Ultra Fine	Lt. Gray	66260300417
5PS1WSSTD	1	Ultra Fine	Ivory	66260300368
5PS3WSSTD	3	Super Fine	Yellow	66260300667
5PS6WSSTD	6	Super Fine	Orange	66260300372
5PS9WSSTD	9	Super Fine	Green	66260300375
5PS12WSSTD	12	Super Fine	Aqua	66260300376
5PS15WSSTD	15	Fine	Blue	66260300379
5PS20WSSTD	20	Fine	Auburn	66260300381 †
5PS30WSSTD	30	Fine	Red	66260300383
5PS45WSSTD	45	Fine	Brown	66260300384
5PS60WSSTD	60	Fine	Purple	66260300388
5PS90WSSTD	90	Fine	Black	66260300389
<b>18 Gram Syringes</b>				
18PS1/4WSSTD	1/4	Ultra Fine	Gray	66260300392
18PS1/2WSSTD	1/2	Ultra Fine	Lt. Gray	66260300394
18PS1WSSTD	1	Ultra Fine	Ivory	66260300396
18PS3WSSTD	3	Super Fine	Yellow	66260300398
18PS6WSSTD	6	Super Fine	Orange	66260300400
18PS9WSSTD	9	Super Fine	Green	66260300402
18PS12WSSTD	12	Super Fine	Aqua	66260300404 NS
18PS15WSSTD	15	Fine	Blue	66260300406
18PS20WSSTD	20	Fine	Auburn	66260300408
18PS30WSSTD	30	Fine	Red	66260300410 †
18PS45WSSTD	45	Fine	Brown	66260300412 NS
18PS60WSSTD	60	Fine	Purple	66260300414 NS
18PS90WSSTD	90	Fine	Black	66260300416 NS
Polishing Kit	Kit Includes: four 5 gram syringes of diamond paste: 3u, 6u, 15u, 30u; 4 pieces of substrate; 1 bottle of lubricant			07660702462 NS

PRODUCT NO.	MICRON GRADE	COLOR	PART NO.	
<b>Diamond Compound – Oil Soluble</b>				
<b>5 Gram Syringes</b>				
5PS1/4OSSTD	1/4	Ultra Fine	Gray	61463691123 NS
5PS1/2OSSTD	1/2	Ultra Fine	Lt. Gray	66260300363
5PS1OSSTD	1	Ultra Fine	Ivory	61463691133
5PS3OSSTD	3	Super Fine	Yellow	61463691138
5PS6OSSTD	6	Super Fine	Orange	61463691143
5PS9OSSTD	9	Super Fine	Green	61463691148
5PS12OSSTD	12	Super Fine	Aqua	66260300377 NS
5PS15OSSTD	15	Fine	Blue	61463691153
5PS20OSSTD	20	Fine	Auburn	66260300380 NS
5PS30OSSTD	30	Fine	Red	61463691158
5PS45OSSTD	45	Fine	Brown	61463691163
5PS60OSSTD	60	Fine	Purple	66260300386
5PS90OSSTD	90	Fine	Black	66260300390
<b>18 Gram Syringes</b>				
18PS1/4OSSTD	1/4	Ultra Fine	Gray	66260300391
18PS1/2OSSTD	1/2	Ultra Fine	Lt. Gray	66260300393 NS
18PS1OSSTD	1	Ultra Fine	Ivory	61463691134 NS
18PS3OSSTD	3	Super Fine	Yellow	61463691139
18PS6OSSTD	6	Super Fine	Orange	66260300399
18PS9OSSTD	9	Super Fine	Green	61463691149 NS
18PS12OSSTD	12	Super Fine	Aqua	66260300403 NS
18PS15OSSTD	15	Fine	Blue	61463691154
18PS20OSSTD	20	Fine	Auburn	66260300407
18PS30OSSTD	30	Fine	Red	66260300409
18PS45OSSTD	45	Fine	Brown	61463691164 NS
18PS60OSSTD	60	Fine	Purple	66260300413
18PS90OSSTD	90	Fine	Black	66260300415

+ AVAILABLE AS STOCK WHILE SUPPLIES LAST; THEN AVAILABLE AS NON-STOCK.  
NS NON-STOCK; CONTACT YOUR NORTON REPRESENTATIVE FOR LEAD-TIMES.

## Marking System

5 PS 1/4 OS STD



## SPECcheck

### DIAMOND COMPOUND APPLICATION GUIDE

APPLICATION	MICRON GRADE	MICRON RANGE	MESH SIZE EQUIVALENT	COLOR	CONC.
<b>ULTRA FINE</b> Applying finest finishes on metals and ceramics	1/4	(0-1/2)	100,000	Gray	Std.
	1/2	(0-1)	60,000	Lt. Gray	Std.
	1	(0-2)	14,000	Ivory	Std.
<b>SUPER FINE</b> Final finishing of dies, molds, seals, most applications (RMS 4-12)	3	(2-4)	8,000	Yellow	Std.
	6	(4-8)	3,000	Orange	Std.
	9	(8-12)	1,800	Green	Std.
<b>FINE FINISH</b> Preparatory lapping (RMS 12-20)	12	(9-15)	1,500	Aqua	Std.
	15	(12-22)	1,200	Blue	Std.
	20	(15-25)	800	Auburn	Std.
	30	(22-36)	600	Red	Std.
	45	(36-45)	325	Brown	Std.
	60	(54-80)	230	Purple	Std.
90	(80-100)	170	Black	Std.	