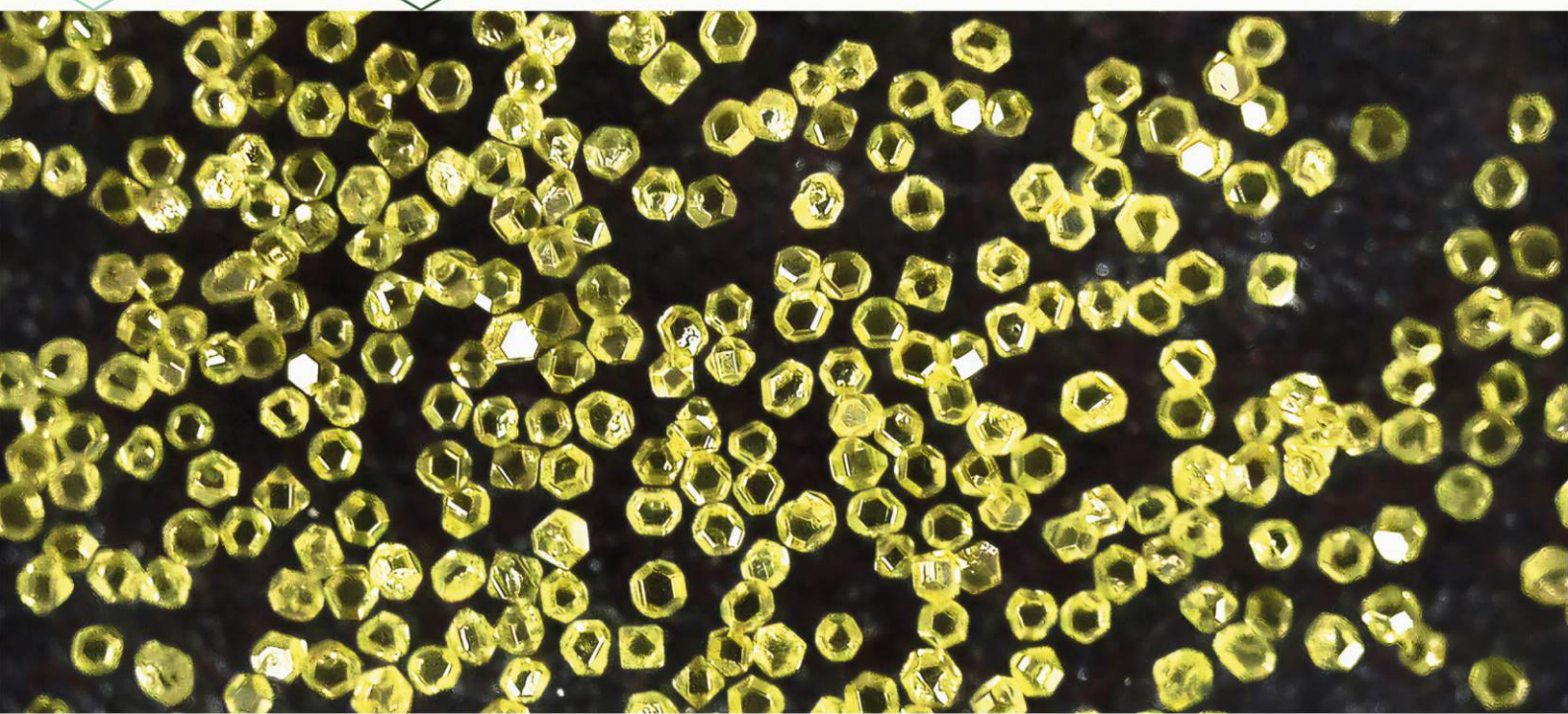




GDM Diamond

SYNTHETIC

DIAMOND POWDER



ABOUT US

Since 2004, GDM Diamond Tools has been a trusted name in **manufacturing high-quality Bruting Wheels** and **Synthetic Diamond Powders**.

Our precision-engineered products are crafted using certified raw materials and advanced technology to deliver **consistent performance** and **reliability for the diamond industry**.

WHY CHOOSE US

We focus on **innovation, integrity, and client satisfaction**.

Our key strengths:

Advanced R&D and production setup

Strict quality control at every stage

Ethical business practices

On-time delivery, every time

Competitive and transparent pricing

QUALITY ASSURANCE

Every GDM product passes through a stringent inspection process to ensure **flawless quality and performance**.

We use the latest tools, testing methods, and skilled expertise to meet **international standards** and **guarantee long-term durability**.

OUR TEAM

Driven by expertise and guided by **Mr. Haresh Manani & Mr. Hardik Manani** our team ensures precision, innovation, and continuous improvement in every product we deliver.

OUR PROMISE

Superior Quality | Precision Engineering | Trusted Performance

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DESCRIPTION

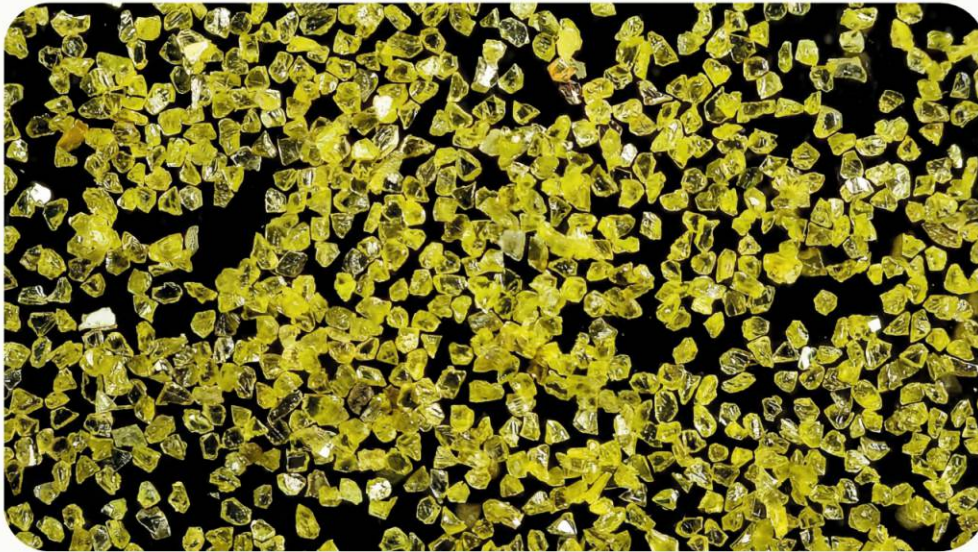
- Distinctive green color with excellent self-sharpening properties.
- Moderate toughness and strong thermal stability.
- Irregular and angular crystal shape for superior cutting action.
- It can be used with resin bond & ceramic bond.

APPLICATIONS

- Ideal for grinding wheels used on carbide, glass, and ceramics.
- Effective in stone shaping and polishing processes.
- Suitable for processing hard alloys and non-metal materials.

AVAILABLE SIZES

50 / 60	60 / 70	70 / 80	80 / 100
100 / 120	120 / 140	140 / 170	170 / 200
200 / 230	230 / 270	270 / 325	325 / 400
400 / 500	500 / 600	—	—
0-0.25 TO 30-40 MICRON			



DESCRIPTION

- Yellow in color
- Excellent friability for consistent cutting performance
- Irregular, sharp-edged grain shape for aggressive grinding

APPLICATIONS

- Grinding of fired tungsten carbide and hard alloys
- Precision grinding for magnetic components and jewelry
- Polishing of ceramic tiles, stones, and specialty surfaces
- Scarfing and shaping of gemstones; suitable for dental burr manufacturing
- Ideal for cut-off wheels used on rubber and flexible materials

AVAILABLE SIZES

20/25	25/30	80/100	100/120	120/140	140/170
30/40	40/50	170/200	200/230	230/270	270/325
50/60	60/70	325/400	400/500	--	--
70/80	--	0-0.25 TO 30-40 MICRON			

High Strength SAW Cutting Diamond Powder – 92 Series



GDM Diamond

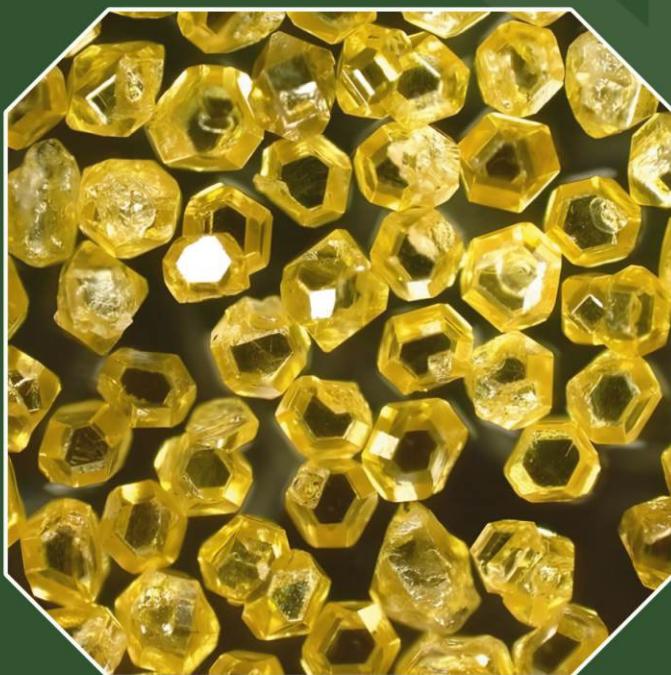


9220

Irregular crystal shape with low strength, classified as a low-grade diamond. Suitable for grinding tools and wheels that operate under low load.

APPLICATION

- Grinding wheels and polishing wheels for marble and granite
- Calibrating electroplated tools



9230

Comparatively regular crystal shape with good compact strength, classified as a middle-grade diamond containing more uniform crystals. Suitable for grinding and free-cutting tools, as well as grinding wheels operating under medium load.

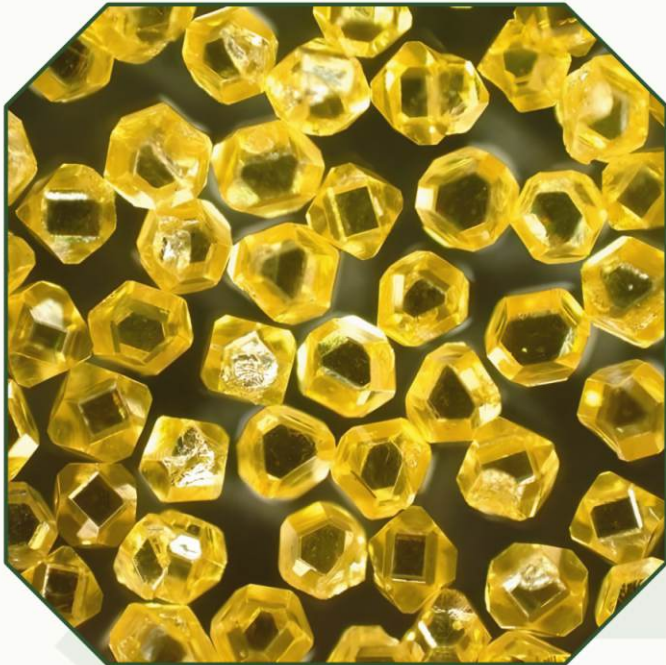
APPLICATION

- Wire saws and frame saws for marble
- Calibrating electroplated tools
- Free-cutting tools

High Strength SAW Cutting Diamond Powder – 92 Series



GDM Diamond

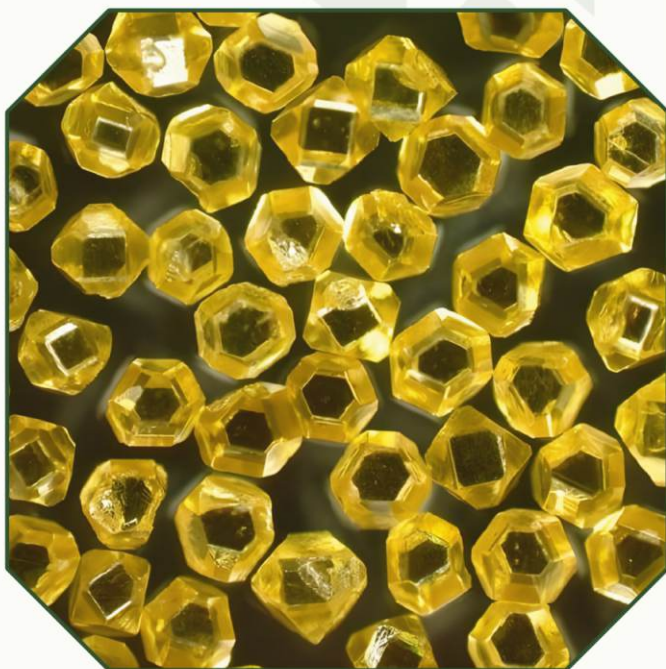


9240

Comparatively regular crystal shape with good compact strength and thermal stability. Applied to sawing tools used for cutting marble, granite, and various engineering materials.

APPLICATION

- Drill bits & wire saws for reinforced concrete
- Multi-blade & large circular saws for granite
- Frame saws for marble & mining tools



9260

Consistent crystal color, regular shape, good transparency, high strength, and strong thermal stability. Used for tools that saw all kinds of hard stone and concrete; also suitable for geological drills.

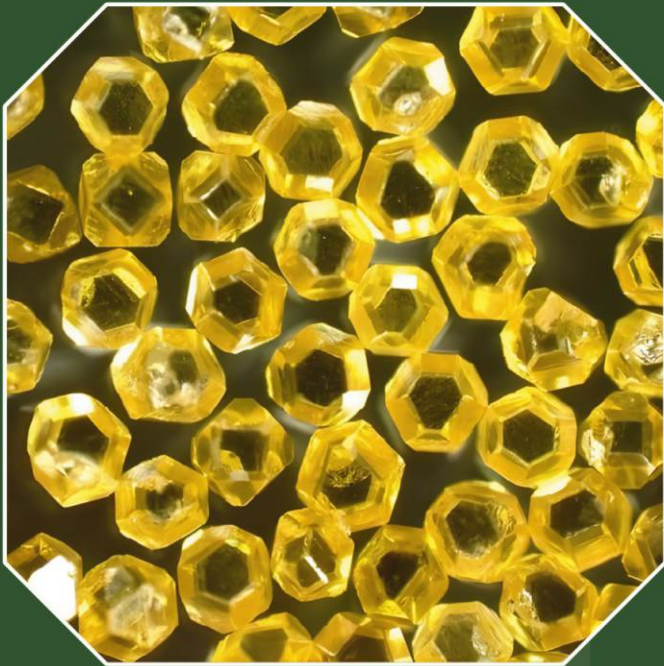
APPLICATION

- Drill bits & wire saws for reinforced concrete
- Multi-blade saws & large circular saws for granite
- Mining tools

High Strength SAW Cutting Diamond Powder – 92 Series



GDM Diamond



9280

Consistent crystal color, regular shape, good transparency, high strength, and great thermal stability. Used for tools that saw all kinds of hard stone and concrete; also suitable for geological drills.

APPLICATION

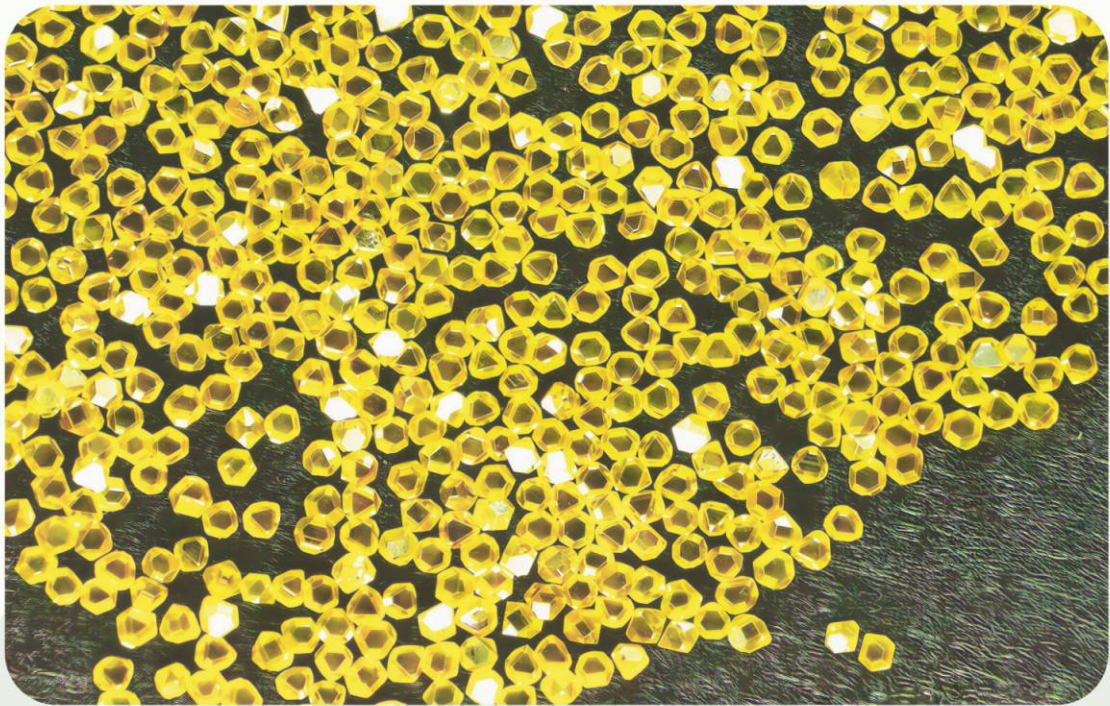
- Drill bits & wire saws for reinforced concrete
- Multi-blade & large circular saws for granite
- Mining tools



SAWING & CUTTING DIAMOND SERIES



GDM Diamond



92 SERIES

Series	25/30	30/35	35/40	40/45	45/50	50/60	60/70	70/80
9220								
9230								
9240								
9260								
9280								

RESIN BOND DIAMOND POWDER



GDM Diamond



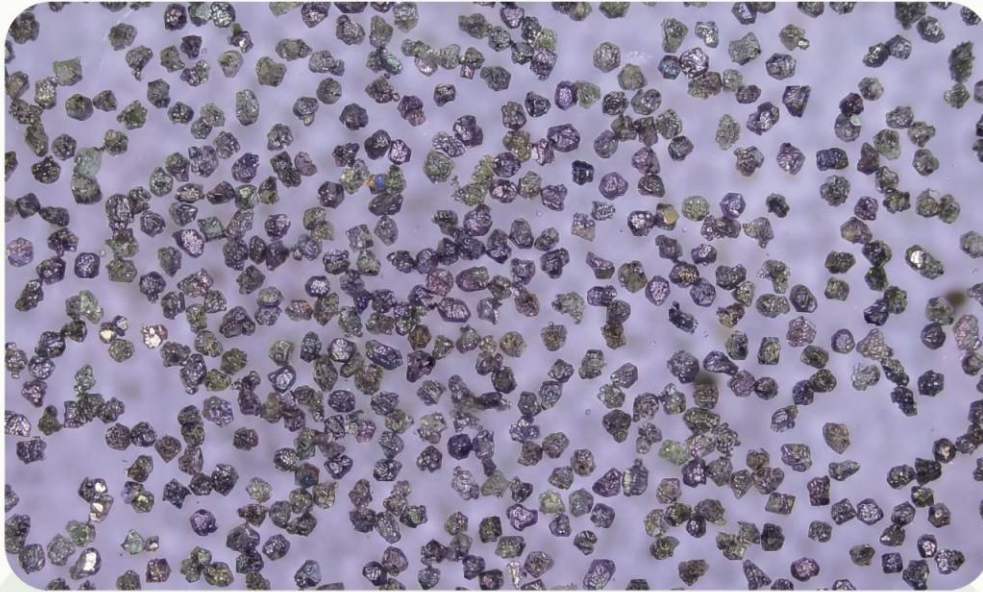
DESCRIPTION

Economical resin bond diamond, sharper than JR1, offering high processing accuracy and excellent performance for processing stone, ceramic, and gemstones. It's engineered for high friability, self-sharpening during use, and strong adhesion in tools, making it ideal for precision grinding and polishing.

AVAILABLE SIZES

80/100	100/120	120/140
140/170	170/200	200/230
230/270	270/325	325/400

0-0.25 TO 30-40 MICRON

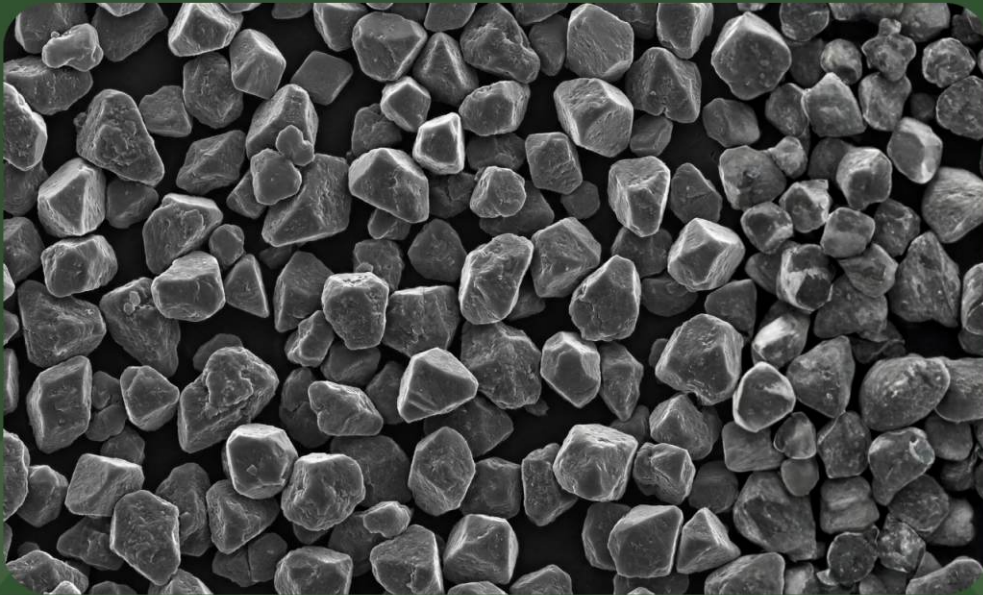


DESCRIPTION

Economy monocrystalline diamond with an irregular shape and tough surface. Provides good grinding efficiency and long service life. Mainly used in resin bond and vitrified bond diamond grinding tools, suitable for tungsten carbide, glass, ceramic, and other fragile non-metallic materials.

AVAILABLE SIZES

80/100	100/120	120/140	140/170
170/200	200/230	230/270	270/325
325/400	400/500	--	--
0-0.25 TO 30-40 MICRON			



DESCRIPTION

Fine synthetic diamond powder used for polishing, finishing, super-finishing, and lapping of sapphire, gemstones, quartz, glass, natural diamond, ceramics, and electronic components. Also used for making diamond polishing discs, diamond paste, PCD, and PDC.

APPLICATION

- Polishing hard and brittle materials
- Processing ferrous materials
- Processing tungsten carbide, PCD dies, stone, ceramics, gemstones, and optical glass
- Used in machinery, electronics, aerospace, and high-tech fields

CHARACTERISTIC

- High-strength RVD diamond
- Good self-sharpness
- Excellent thermal stability
- Uniform granularity, low impurities
- Strong grinding force and high wear resistance

AVAILABLE SIZES

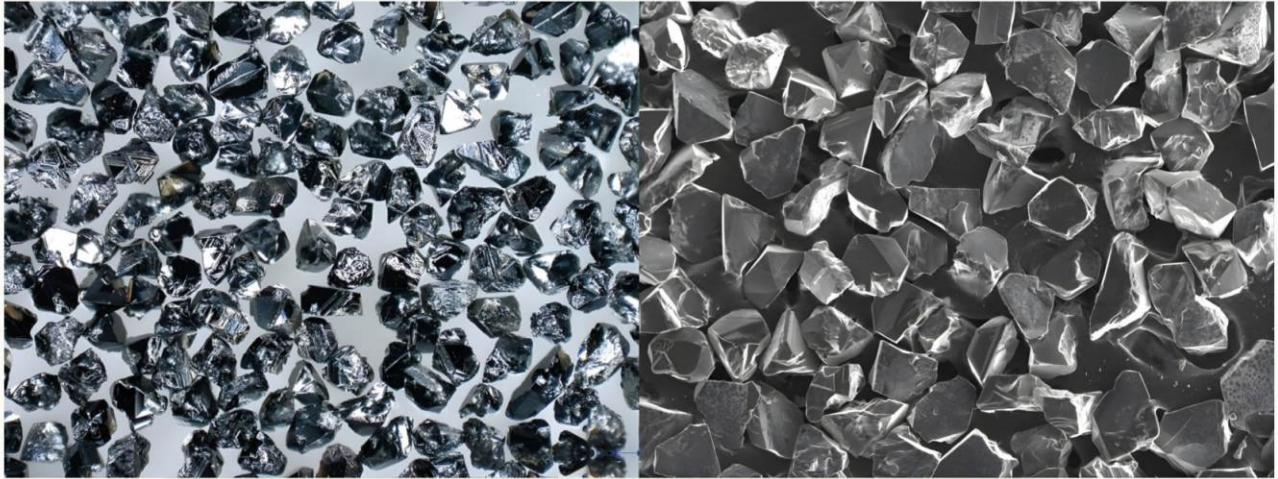
0.5mm - 60mm

0-0.25 TO 30-40 MICRON

CBN R – BLACK CUBIC BORON NITRIDE



GDM Diamond



DESCRIPTION

- Black superhard abrasive material, High toughness & thermal stability
- Irregular monocrystalline, sharp angular shape, Good self-sharpening ability
- Excellent grinding efficiency for ferrous materials

APPLICATIONS

- Grinding hardened steel (HRC 45+) & tool steel
- High-speed steel grinding & finishing, Bearing & automotive parts grinding
- Resin bond wheels for precision tools
- Cylindrical & surface grinding, Cut-off wheels for hardened materials

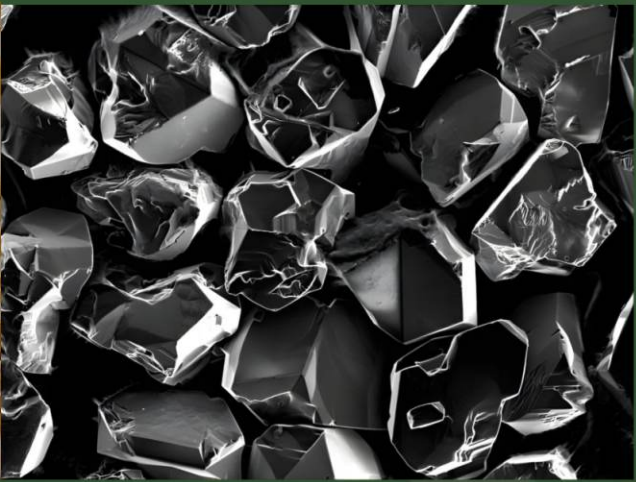
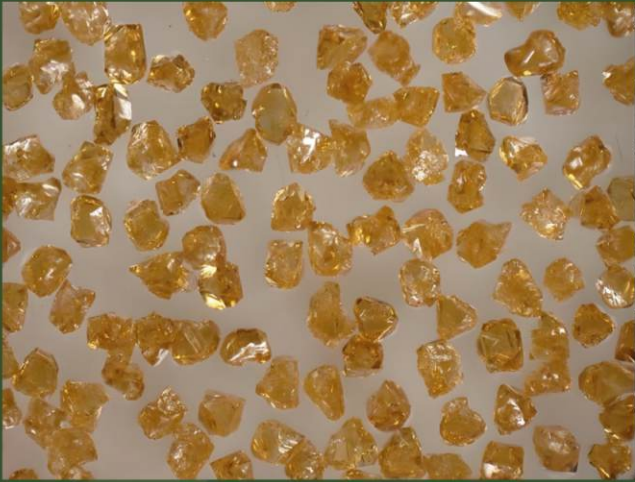
AVAILABLE SIZES

40/50	50/60	60/70	70/80	80/100
100/120	120/140	140/170	170/200	200/230
230/270	270/325	325/400	--	--

CBN A – AMBER CUBIC BORON NITRIDE



GDM Diamond



DESCRIPTION

- Amber color, premium-grade abrasive, Semi-blocky crystal structure
- Medium-high strength, excellent thermal stability
- Superior toughness & impact resistance
- Balanced hardness & self-sharpening

APPLICATION

- Precision grinding of hardened alloy steels
- Vitrified bond tools for high performance, Superalloy grinding & finishing.
- Metal bond wheels for aerospace materials
- Electroplated tools for specialized machining, Heavy-duty high removal grinding

AVAILABLE SIZES

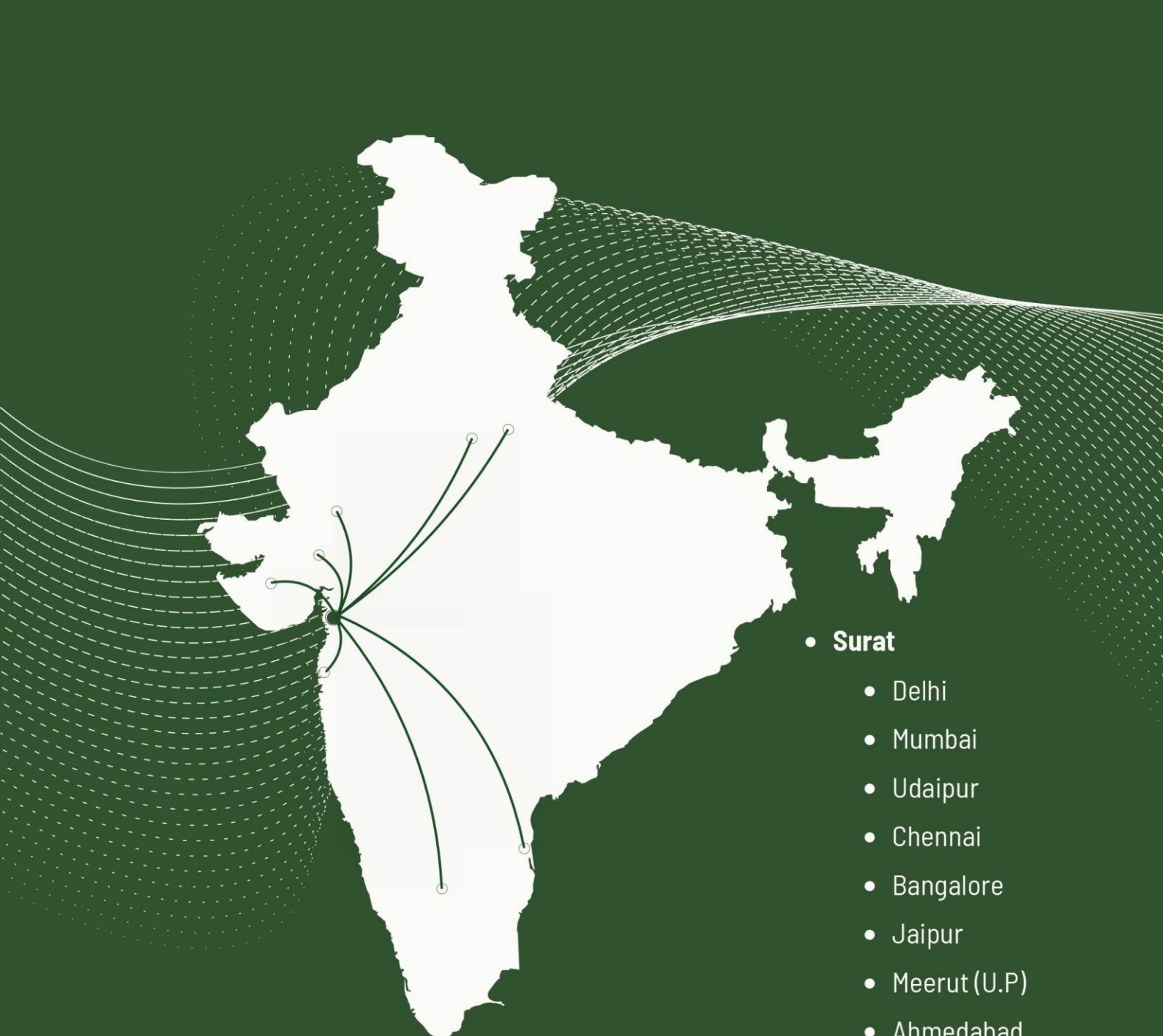
40/50	50/60	60/70	70/80	80/100
100/120	120/140	140/170	170/200	200/230
230/270	270/325	325/400	--	--

MICRON SIZE COMPARISON



GDM Diamond

China	USA/Intl	Japan/Mesh	(D50um)
w0.2	0-0.2	80000	0.1
w0.25	0-0.25	60000	0.11~0.20
w0.5	0-0.5	30000	0.20~0.30
w1	0-1	15000	0.6~0.8
w1.5-	0-2	13000	1.0
w1.5	1-2	12000	1.1~1.3
w2.5	1-3	10000	1.6~1.8
w3	2-3	7000	1.9~2.1
w3.5	2-4-	6500	2.2~2.6
w3.5	2-4	6000	2.6~3.0
w4	2-5	5000	3.1~3.4
w5	3-6	4000	3.5~4.2
w6	4-6	3500	4.4~5.0
w7	4-8	3000	5.0~6.0
w10	4-9	2500	6.1~6.5
w10	5-10	2000	6.5~7.3
w10	6-12	1800	7.3~8.3
w12	8-12	1600	8.3~9.0
w14	7-14	1500	9.1~10.5
w14	8-16	1300	10.0~12.0
w20-	10-20	1200	12.5~15.0
w20	12-22	1000	15.0~17.0
w20+	15-25	800	18.0~20.0
w28	20-30	700	20~23
w28+	22-36	600	23~26
w40-	20-40	500	26~29
w40	30-40	450	29~32
w40+	35-45	400	32~36
w50	36-54		37~43



• **Surat**

- Delhi
- Mumbai
- Udaipur
- Chennai
- Bangalore
- Jaipur
- Meerut (U.P)
- Ahmedabad
- Morbi



GDM Diamond

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