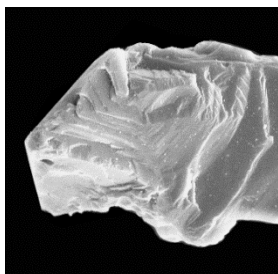


SYNDIA® RBM

MULTICRYSTALLINE MICRON DIAMOND POWDER

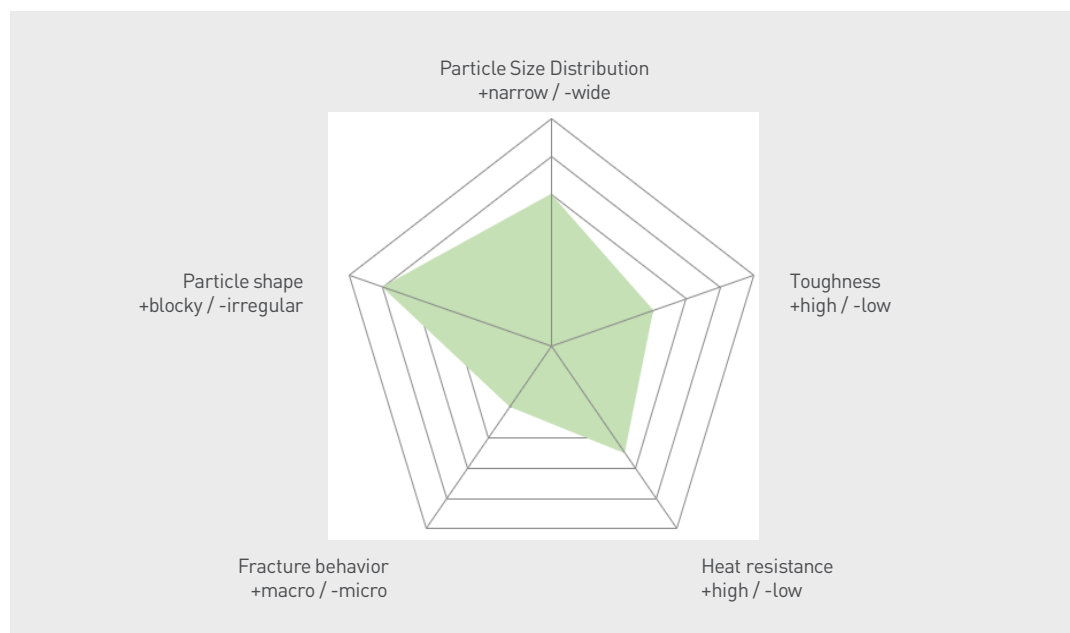


SYNDIA® RBM | ECONOMIC RESIN BOND

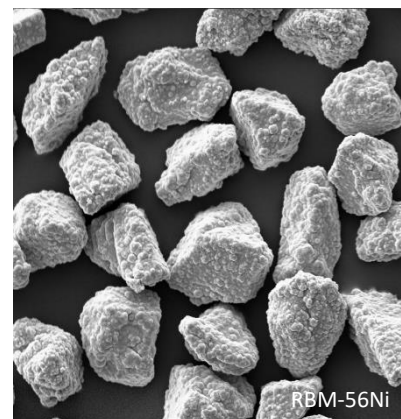
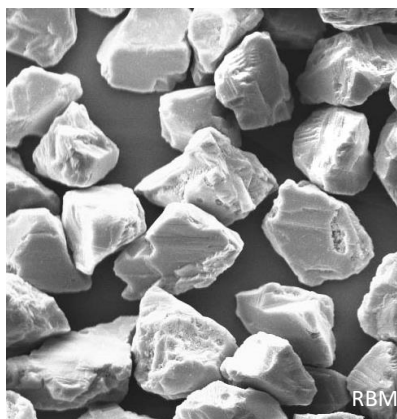
RBM is the ECO resin bond micron diamond. Due to its crystalline properties and high crystal surface roughness, RBM is particularly suitable for all types of resin bonded wheels and tools. It is also recommended for lapping and polishing carbides, ceramics, plastic materials, natural stones and other hard materials.

Van Moppes guarantees consistent quality by control of raw material, production process and unique inspection method.

PRODUCT CHARACTERIZATION



PROPERTIES	RBM
GRADING	standard
SYNTHESIS	HPHT
CRYSTAL STRUCTURE	multi-crystalline
PARTICLE SHAPE	semi-blocky
FRACTURING MODE	micro-fracture
IMPACT RESISTANCE	low
PURITY	> 98.0%
BONDING SYSTEMS	PH, PO, VI, MB
DENSITY	3.52 g/cm ³



SYNDIA® RBM

MULTICRYSTALLINE MICRON DIAMOND POWDER

MID-POINT	RBM	RBM-56Ni	MESH EQUIVALENT
53.0	RBM 40-60	RBM-56Ni 40-60	
46.0	RBM 40-50	RBM-56Ni 40-50	#500
41.0	RBM 35-45		
36.0	RBM 30-40	RBM-56Ni 30-40	#600
32.5	RBM 30-40F	RBM-56Ni 30-40F	
29.0	RBM 22-36	RBM-56Ni 22-36	#700
24.0	RBM 20-30	RBM-56Ni 20-30	#800
19.0	RBM 15-25	RBM-56Ni 15-25	#1000
16.0	RBM 12-22	RBM-56Ni 12-22	#1100
14.0	RBM 10-20	RBM-56Ni 10-20	#1200
12.0	RBM 8-16	RBM-56Ni 8-16	#1400
9.50	RBM 8-12		#1500
8.00	RBM 6-12	RBM-56Ni 6-12	#1800
6.80	RBM 5-10		#2200
5.70	RBM 4-8		#3000
4.80	RBM 4-6		#5000
4.00	RBM 3-6		#6000
3.00	RBM 2-4		#8000
2.38	RBM 2-3		
2.00	RBM 1-3		#12000
1.41	RBM 1-2		#13000
1.00	RBM 0-2		#14000
0.71	RBM 0.5-1		
0.50	RBM 0-1		
0.26	RBM 0-0.5		
0.13	RBM 0-0.25		

Also available :

RBM-30Ni - 30% nickel coating

RBM-50Cu - 50% copper coating