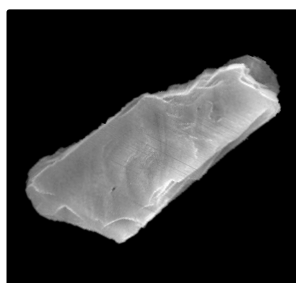


SYNDIA® RGM

MULTICRYSTALLINE MICRON DIAMOND POWDER

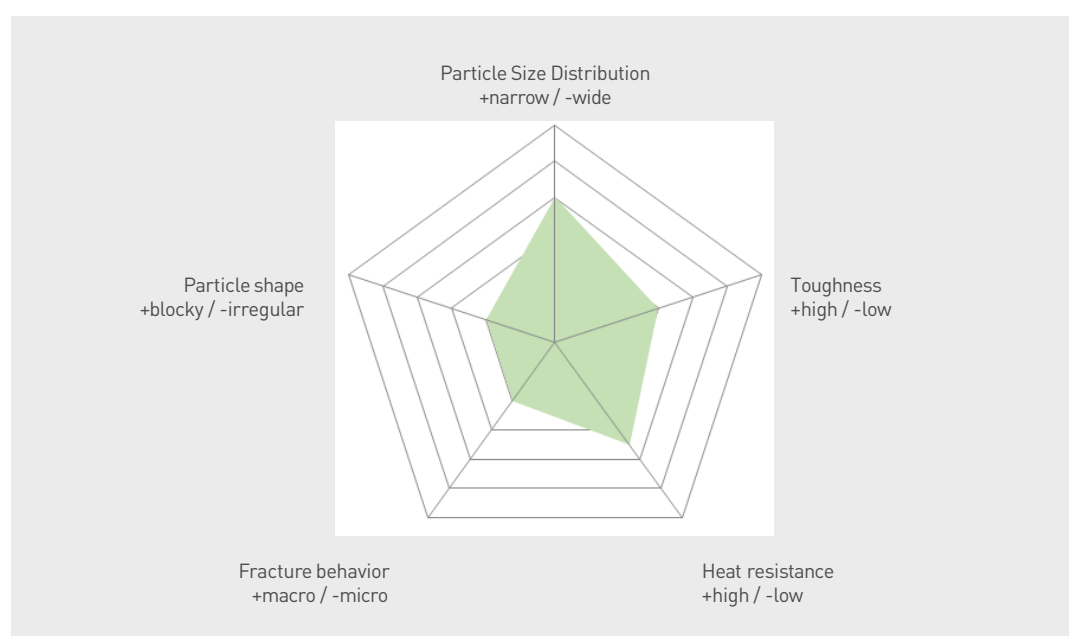


SYNDIA® RGM | ECONOMIC SHARP RESIN BOND

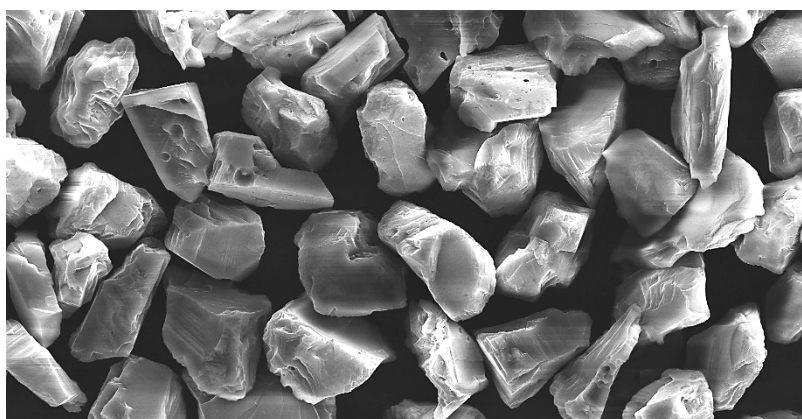
RGM is a resin bond micron diamond with sharp cutting properties. Its controlled irregular particle shape improves bond retention, leading to excellent material removal, consistent edge wear and extended tool life. RGM is well suited for all types of resin bonded and vitrified wheels and tools. It is recommended for grinding hard materials such as carbides, ceramics, natural stones, plastics, and composites. Its strong performance and competitive pricing make it a reliable choice where both efficiency and durability matter.

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

PRODUCT CHARACTERIZATION



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



SYNDIA® RGM

MULTICRYSTALLINE MICRON DIAMOND POWDER

MID-POINT	RGM	MESH EQUIVALENT
53.0	RGM 40-50	
46.0	RGM 40-50	#500
41.0	RGM 35-45	
36.0	RGM 30-40	#600
32.5	RGM 30-40F	
29.0	RGM 22-36	#700
24.0	RGM 20-30	#800
21.0	RGM 20-30F	
19.0	RGM 15-25	#1000
16.0	RGM 12-22	#1100
14.0	RGM 10-20	#1200
12.0	RGM 8-16	#1400
10.6	RGM 8-16F	#1500
8.00	RGM 6-12	#1800
6.80	RGM 5-10	#2200
5.70	RGM 4-8	#3000

On request :
RGM-56Ni - 56% nickel coating