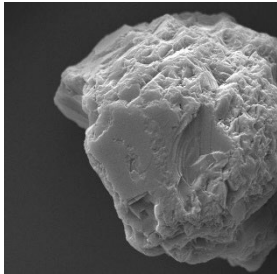


SYNDIA® SYR

MULTICRYSTALLINE MICRON DIAMOND POWDER

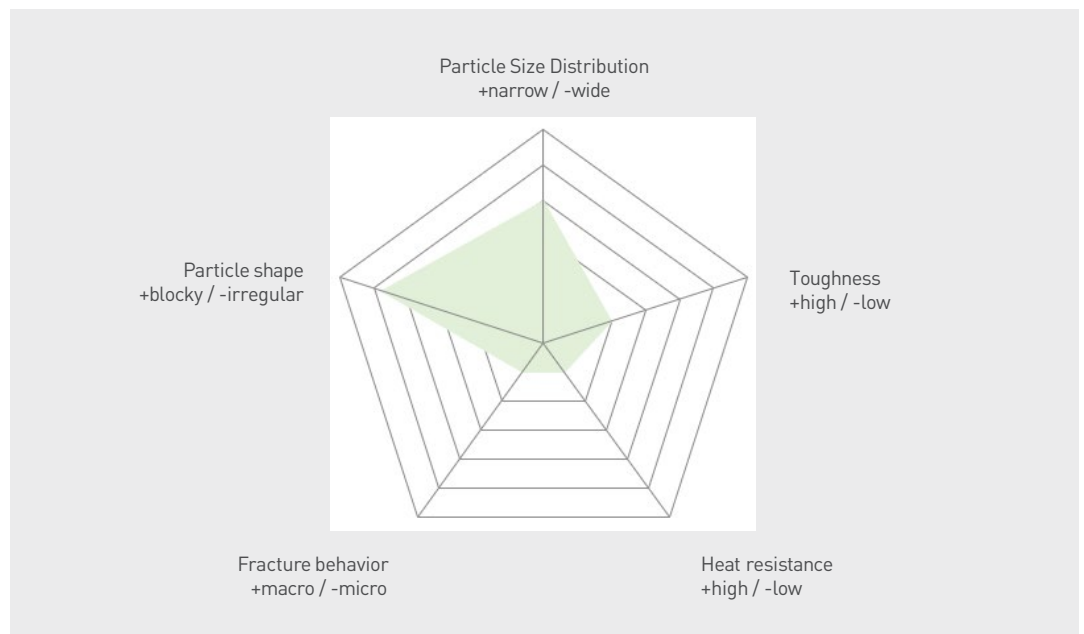
SYNDIA® SYR | HIGH FRIABILITY



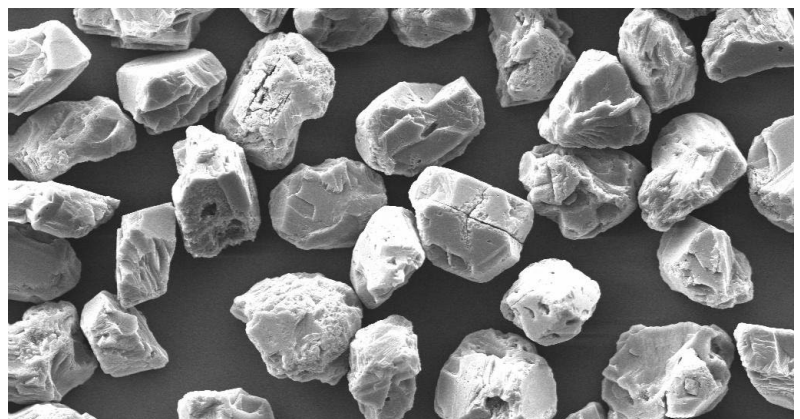
SYR is a precision graded, unique premium product in the resin bond type micron powder range. It is therefore extremely suitable for the machining of difficult to grind materials, where high material removal rates, excellent surface finish and surface geometry are required. Due to its exceptional self-sharpening properties, SYR is particularly suitable for double-sided grinding and polishing applications.

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

PRODUCT CHARACTERIZATION



PROPERTIES	SYR
GRADING	precision
SYNTHESIS	HPHT
CRYSTAL STRUCTURE	multi-crystalline
PARTICLE SHAPE	semi-blocky
FRACTURING MODE	micro-fracture
IMPACT RESISTANCE	low
PURITY	> 99.5%
BONDING SYSTEMS	PH, PO
DENSITY	3.52 g/cm ³



SYNDIA® SYR

MULTICRYSTALLINE MICRON DIAMOND POWDER

MID-POINT	SYR	MESH EQUIVALENT	FEPA EQUIVALENT
53.0	SYR 40-60		MD63
46.0	SYR 40-50	#500	
36.0	SYR 30-40	#600	MD40
32.5	SYR 30-40F		
29.0	SYR 22-36	#700	
24.0	SYR 20-30	#800	MD25
19.0	SYR 15-25	#1000	
14.0	SYR 10-20	#1200	
12.0	SYR 8-16	#1400	
9.50	SYR 8-12	#1500	MD10
8.00	SYR 6-12	#1800	
6.80	SYR 5-10	#2200	
5.70	SYR 4-8	#3000	MD6.3
4.80	SYR 4-6	#5000	
4.00	SYR 3-6	#6000	
3.00	SYR 2-4	#8000	

Also available :

SYR-56Ni - 56% nickel coating

SYR-30Ni - 30% nickel coating