

SYNTHETIC DIAMOND GRIT



Engineered To Meet Your Needs.

Shannon Abrasives synthetic grit solutions include a Drilling series, a Sawing series and a Grinding series as well as Lapping and Polishing powders.

Grinding Grit Series

Our Grinding Series consists of three metal bond product grades in sizes 60/70 US mesh to 325/400 US mesh. These three grades provide a choice of strength from high-strength, high-thermally stable material suitable for the most demanding applications to low-strength friable material for stone and concrete polishing. grinding to surface calibration of stone, precision grinding of ceramics and cutting and lapping of silicon wafers.



GRADES

SAGG 95 – Ultra high-strength, high-thermal stability for the most demanding applications and aggressive sintering regimes in complex metal bond systems.

SAGG 80 – Medium-strength, high-thermal stability for demanding applications and high-productivity tools.

SAGG 50 – Low-strength, moderate-thermal stability for surfacing and polishing applications.

US Mesh Size	Mean Size um	US Mesh Size	Mean Size um
60/70	251	200/230	76
70/80	213	230/270	64
80/100	181	270/325	54
100/120	151	325/400	46
120/140	126	4000/500	35
140/170	107	500/600	30
170/200	91		

SPECIFICATIONS

All grades available in sizes 60/70 to 325/400 US mesh.

QUALITY

Ensuring the highest quality of synthetic diamond grit is paramount in meeting the rigorous demands of various industries, and our comprehensive quality testing procedures leave no room for compromise. One of the critical tests we conduct is the Ti TTI strength test, which assesses the grit's ability to withstand extreme pressures and abrasion. Additionally, a meticulous physical inspection is carried out to check for any imperfections or irregularities. To guarantee uniformity and

consistency, we employ automated shape sorting, which meticulously categorizes the diamond grit based on predefined criteria. Furthermore, the diamond grit is precisely sized into US mesh sizes, ensuring it aligns perfectly with your specific requirements. Our commitment to rigorous quality testing ensures that our synthetic diamond grit is of the highest standard, enabling you to achieve exceptional results in your applications, every time.



Talk To Our Experts About Your Industrial Diamond Needs



+353 61 475066



enquiries@shannonabrasives.com