



Metal Bond - Mesh



Extremely High Strength



High Strength



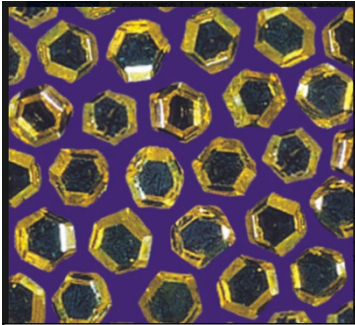
Intermediate Strength



Friable

Our “**ESN – Saw Grade**” series is a Synthetic diamond grit ideal for Sawing and Drilling applications. The crystals contain a low level well distributed metal inclusion content, facilitating high thermal stability & high particle strength.

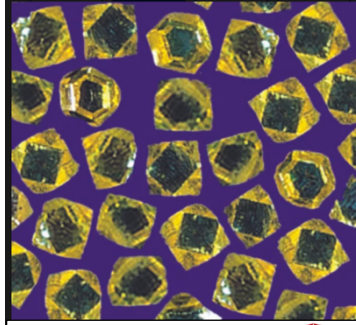
ESN - SAW GRADE



ESN 770



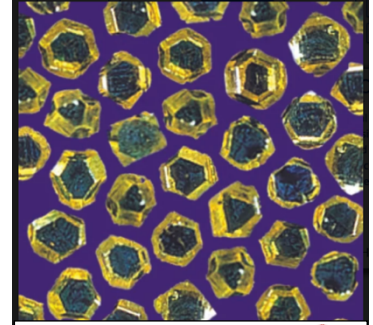
Through innovative new diamond characterization technology ESN 770 has been developed for EID. It is a supreme strength, uniform cubo-octahedral crystals with ultimate thermal stability. Free from visible inclusions. For the most demanding applications. Highest performance diamond on the market today.



ESN 750



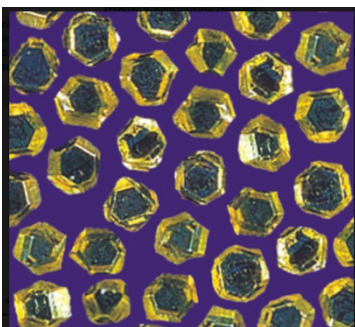
This is an extremely high strength product. Each crystal is free from visible impurity facilitating a high level of thermal stability. Like the ESN 770 this product can be used for sawing & drilling at the highest level.



ESN 700



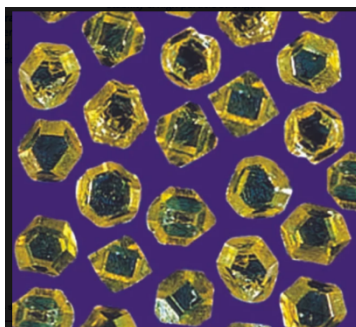
Contains cubo-octahedral crystals well defined and inclusion free. High thermal stability and strength make this the product of choice for a wide range of demanding applications.



ESN 600



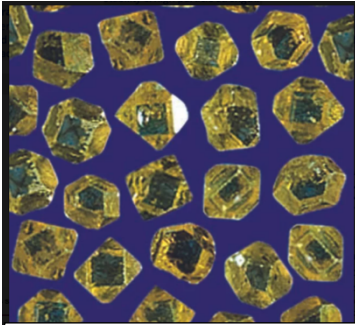
This is a specially synthesized highly well formed crystalline product almost entirely free of inclusions. It makes it an ideal crystal for applications requiring a high strength grit in sawing, drilling of the hardest stone, granite, refractories and reinforced concrete.



ESN 500



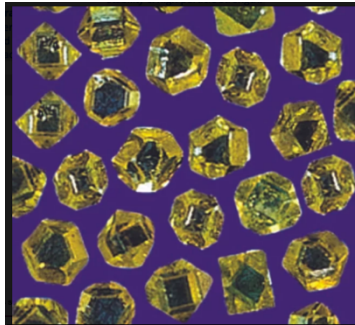
This is also a high strength product with a good thermal stability. A high percentage of perfectly formed cubo-octahedral crystals has established this product as the cost effective solution where performance is carefully measured. A free cutting, long lasting product.



ESN 400



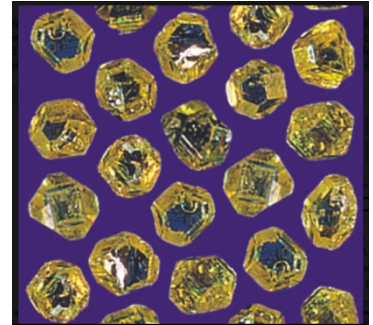
This is an intermediate strength crystal, largely free of inclusions, recommended for the manufacture of saw blades. A good general purpose grit with free cutting characteristics.



ESN 300



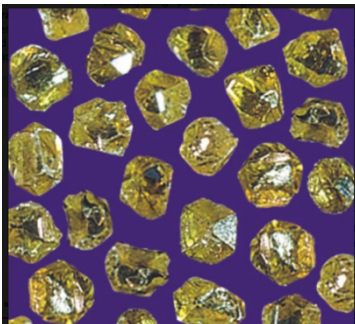
This is a medium strength, general purpose grit with a relatively high proportion of cubo-octahedral crystals. It is ideal for medium to high demanding applications. Will perform well in the sawing of granite, marble and most refractories.



ESN 200



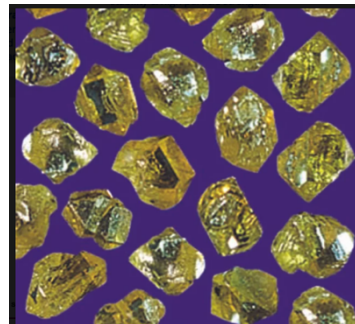
This is another medium strength cost effective material. Lower proportion of cubo-octahedral crystals than the ESN 300 but still a good shaped product of high thermal stability, tending itself to function extremely well in a wide range of applications where a tough grit is required.



ESN 75



This is a good medium to low strength crystal. Contains high blocky shape crystals of good cosmetic appearance. Combining a good free cutting level with tool life. It is the product of choice for the sawing of stone and marble, where price is a major factor.



ESN 50



This is a low cost free cutting blocky crystal ideal for the production of tools for the amateur tool market where free cutting characteristics are required. The perfect solution of low temperature bonds, where its irregular shape allows good cutting characteristics.

Sizes

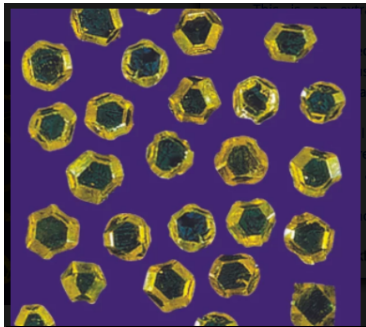
Our ESN Series is available in sizes: 16/18, 18/20, 20/25, 20/30, 25/30, 30/35, 30/40, 35/40, 35/45, 40/45, 40/50, 45/50, 45/60, 50/60 and 50/70.

ELECTROPLATING: To order products for electroplating, add "T" to the product number (e.g. ESN 700T).



Our “EDA – Wheel Grade” series is a Synthetic diamond grit ideal for metal and electroplated bonds. Used for the machining of nonferrous material, EID has developed a wide range of abrasives in order to achieve the optimum product for each and every application. Within the wheel range of products EID is happy to offer to be used in each of the four traditional bond markets currently manufactured, Metal, resin, vitrified and electroplating.

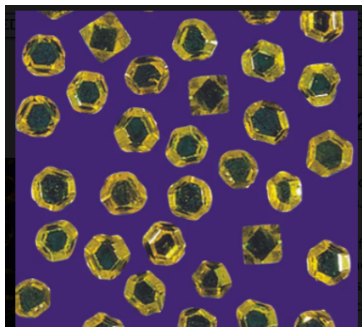
EDA – WHEEL GRADE



EDA 2395



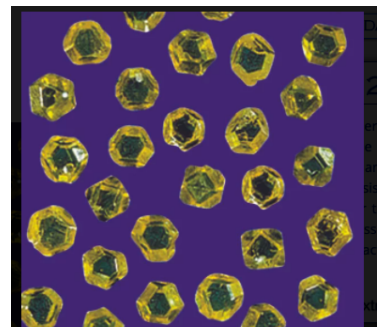
This is an extra tough abrasive exhibiting well defined cubo-octahedral shaped crystals, free of harmful inclusions. High thermal stability and impact resistance make it the product to use in highly demanding metal bond applications, where impact strength and material removal rates are very severe. Recommended for high performance pencil edging.



EDA 2360



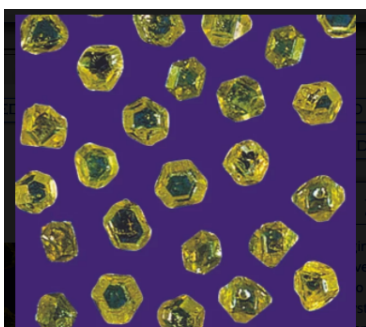
A high strength, high toughness cubo-octahedral crystal with well developed faces. Possessing a greatly enhanced impact strength, make it perfect for the grinding, polishing and honing of glass, ceramics, ferrites, graphites and re-inforced plastics.



EDA 2300



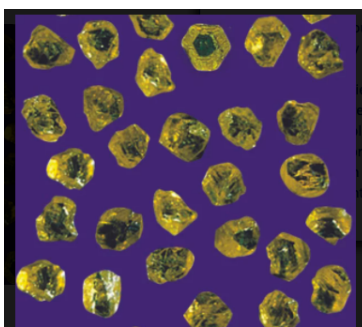
This is a high performance metal bond grit, suitable for a wide array of metal bond and electroplated tools. Highly resistant to impact fracture, ideal for the machining of ceramics, glass, re-inforced concrete and refractories.



EDA 2215



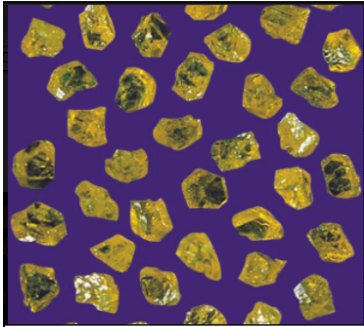
A specially engineered synthetic diamond abrasive, this grit has been processed to produce a strong well shaped crystal. It has been developed to perform in a wide range of demanding glass and ceramic applications.



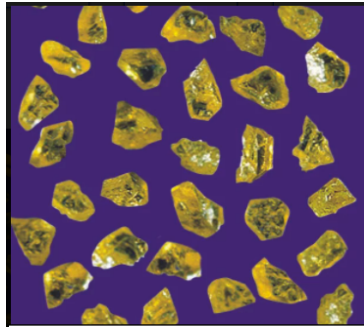
EDA 2125



This crystal is characterized by its blocky well formed crystal shape. Its fast cutting properties make it a versatile abrasive, suitable for a wide array of applications. This crystal provides an ideal balance between life and surface finish requirements.

**EDA 2050**

This is a consistent but irregular crystal shaped product. A fast cutting metal bond grit with excellent bond retention properties. Suitable for electroplated tooling, and ideal for metal bond tools requiring low abrasive strength and where reduced impact forces are employed.

**EDA 2025**

Contains irregular diamond crystals. It is a cost effective free cutting grit with good thermal properties. Its low cost makes it the product of choice for non-professional or hand held diamond tools and the EDA2025 clad with 56 % nickel makes it suitable for use in certain resin bond applications. When ordering with nickel, please order EDA 2025-30n, EDA 2025-56n, EDA2025-60n. For copper EDA 2025-50c.

Sizes

Our EDA series is available in sizes: 60/70, 70/80, 80/100, 100/120, 120/140, 140/170, 170/200, 200/230, 270/325, 325/400 and 400/500.

ELECTROPLATING: To order products for electroplating, add "T" to the product number (e.g. EDA 2300T).

COATING: Traditional Nickel Coating available in 30%, 56%, 60%, or in any other custom percentage, as required by the client. Refer to "Surface Enhancement-Coatings" page for additional information and types.