

NORTON

SAINT-GOBAIN

WINTER

EDGE GRINDING WHEELS (EGW)

ACHIEVE A SUPERIOR FINISH

Norton Winter Edge Grinding Wheels (EGW) are ideally suited for producing high material yield and high throughput when edge grinding hard and brittle materials. With uniform diamond size and distribution throughout the wheel, they provide superior finish with minimal edge chipping.



KEY MARKET SEGMENTS

ADVANCED MATERIAL SUPPLIER FOR POWER ELECTRONICS | SEMICONDUCTORS

KEY APPLICATIONS AND MATERIALS

DIFFICULT TO GRIND MATERIALS IN WAFER MANUFACTURING | SIC | ALN | SI | SAPPHIRE | GALLIUM ARSENIDE | GERMANIUM

www.nortonabrasives.com

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WINTER**EDGE GRINDING
WHEELS (EGW)**

FEATURES & BENEFITS

- Consistent product with tightly controlled diamond size and high concentration
- Uniform diamond distribution throughout the abrasive layers
- Engineered diamond exposure ratio
- Offers accurate part dimension including angle, radius, and width
- Superior surface finish with minimal edge chipping and subsurface damage
- Onsite application support and process fine tuning

Uniform Diamond Distribution In Grooves

Norton Winter Edge Grinding Wheels offer premium part quality, consistent profile, and longer life. The Edge Grinding Wheel is designed with premium quality diamond, a unique bond structure for optimum diamond retention, and high diamond exposure ready to grind and hold the groove profile longer.

R4 - GROOVE 4**R5 - GROOVE 5****R6 - GROOVE 6**

Edge Grinding Wheels Availability

SIZES:	102 mm or 202 mm
ABRASIVE:	Diamond - ½ µm to 40/60 µm
GRIT:	2,000 US mesh and 4,000 US mesh
BOND:	Single or dual grit
CONCENTRATION:	Metal, Electroplated
CUSTOMIZATION:	Specification can be engineered for optimized process
OEM:	Accretech, Daitron

Case Study

APPLICATION:	Edge grinding of 150 mm SiC wafers
WHEEL SPEC:	202mm – D15B/D20C – BZ387 – C100
MACHINE:	Edge grinder for hard material
RESULTS:	Able to grind SiC wafer with minimal chipping, maintaining surface roughness and edge profile through the life of the product.

FIRST WAFER**LAST WAFER**

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NO-RISK TEST