

Starblast™ Ultra

Blasting Abrasive

Product Information

Starblast™ Ultra blasting abrasive is a uniquely formulated addition to the Starblast™ family of abrasive products. Mined from Chemours' mineral deposits in the southeastern United States, these naturally occurring sub-rounded to sub-angular mineral sands are washed to ensure freedom from dirt, dust, and ultrafines. Readily available in packages and in bulk, Starblast™ Ultra is the solution for your more aggressive blasting needs.

Applications

Starblast™ Ultra is designed for those applications that require a more aggressive abrasive, such as steel maintenance, heavy rust, and paint removal.

While coarser than Chemours standard Starblast™ and Starblast™ XL, Starblast™ Ultra continues to offer the same product advantages, such as:

- Greater blasting visibility due to minimal dust generation
- Lower labor costs through faster, more efficient blasting
- Less material costs due to recyclability
- More uniform blast pattern
- Guaranteed to contain <3% free silica, typically <2%
- Sub-rounded to sub-angular grains result in less abrasive embedment
- Electrically nonconductive



Personal Safety

For safety information, please see the product Safety Data Sheet (SDS).

Heat, electrostatic charge, or sparks can potentially be created when using this product in abrasive blasting applications. Do not perform abrasive blasting using this product in the presence of flammable or explosive vapors.

Packaging

Starblast™ Ultra abrasives are available in 50-pound multiwall paper bags, semi-bulk (1-ton and 2-ton) bags, bulk hopper rail cars, and bulk pneumatic trucks. Department of Transportation (DOT) Hazard Classification: NOT REGULATED.

* Due to changing governmental regulations, such as those of the Department of Transportation, Department of Labor, U.S. Environmental Protection Agency, and the Food and Drug Administration, references herein to governmental requirements may be superseded. Each user should consult and follow the current governmental regulations, such as Hazard Classifications, Labeling, Food Use Clearances, Worker Exposure Limitations, and Waste Disposal Procedures for the products described in this literature.

Table 1. Physical and Mineral Properties of Starblast™ Ultra Abrasive

Typical Screen Analysis			
U.S. Sieve No.*	Sieve Opening, µm	Retained on Sieve, %	
		Mean	Std. Dev.
20	840	<1	—
30	590	1	0.5
40	420	14	5.0
50	300	19	5.0
70	212	24	6.6
100	150	30	3.4
140	106	11	4.4
200	75	<3	—
Grit #30/80			

*U.S. Sieve Series according to ASTM E-11-70.

Physical Properties	
	Range
Bulk Density (loose)	134 lb/ft ³ (2146 kg/m ³)
Specific Gravity	3.7–3.85
Hardness (Mohs)	7.0–7.5

Mineral Composition	
	Typical, %*
Staurolite	82
Tourmaline	10
Titanium Minerals	5
Quartz (Free Silica)	1.5
Kyanite and Sillimanite	0.3
Other	1.2

* This column gives typical analyses based on historical production performance. Chemours does not express or imply any warranty guaranteeing that future production will demonstrate or continue to possess these typical properties.

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