

**TYPICAL SCREEN ANALYSIS**

**Starblast® Blasting Abrasive  
Grit 54/90**

U.S. Sieve Number	Sieve Opening	Retained on Sieve, %
20	—	—
30	—	—
40	420	3
50	300	13
70	212	25
100	150	36
140	106	18
200	75	3
270	53	<1
PAN	<53	<1

**TYPICAL SCREEN ANALYSIS**

**Starblast® XL Blasting Abrasive  
Grit 54/90**

U.S. Sieve Number	Sieve Opening	Retained on Sieve, %
20	—	—
30	—	—
40	420	3
50	300	13
70	212	25
100	150	36
140	106	18
200	75	3
270	53	<1
PAN	<53	<1

**TYPICAL SCREEN ANALYSIS**

**Starblast® Ultra Blasting Abrasive  
Grit 54/90**

U.S. Sieve Number	Sieve Opening	Retained on Sieve, %
20	840	<1
30	590	1
40	420	10
50	300	23
70	212	20
100	150	31
140	106	13
200	75	<2
270	—	—
PAN	—	—

**TYPICAL SCREEN ANALYSIS**

**Coarse Starblast® Blasting Abrasive  
Grit 30/60**

U.S. Sieve Number	Sieve Opening	Retained on Sieve, %
20	840	<1
30	590	5
40	420	29
50	297	44
70	210	17
100	—	6
140	—	—
200	—	—
270	—	—
PAN	<210	6

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## STAUROLITE®/STARBLAST® BLASTING ABRASIVES PRODUCT SHEET (cont.)

MINERAL COMPOSITION (TYPICAL %)				
	Starblast®	Starblast® XL	Starblast® Ultra	Coarse Staurolite®
Staurolite Minerals ( $\text{FeAl}_6\text{Si}_2\text{O}_{12}\text{OH}$ )	87	90	85	85
Titanium Minerals ( $\text{Fe}_2\text{Ti}_2\text{O}_7$ )	6	6	7	10
Kyanite ( $\text{Al}_2\text{SiO}_5$ )	2	1	—	—
Zircon ( $\text{ZrSiO}_4$ )	3	2	3	—
Quartz (Free Silica)	2	0.8	<3	3
Physical Properties				
Bulk Density (loose)	128 lb/ft <sub>3</sub>	128 lb/ft <sub>3</sub>	134 lb/ft <sub>3</sub>	136 lb/ft <sub>3</sub>
Specific Gravity	3.6-3.85	3.6-3.85	3.7	3.60-3.65
Hardness (Mohs Scale)	6.5-7.0	6.5-7.0	6.5-7.0	7.0-7.5