

We, Suntech Industries are one of the leading manufacturers of metal abrasive in India which integrates with technical research, development and production. The company can produce high strength strong durability steel shot & steel grit. These are highly useful in various de-burring application like to clean foundry casting, forging, automotive components, surface polishing, shot peening, spiral springs, steel torsion springs, shipbuilding & airless wheel blast machine. We are advanced with highly advanced Technology & Equipments. We have impressive facilities that have enabled us in high quality & high production capacity where only qualified products will be delivered to our customers.

We strictly follow SAE (Society of Automotive Engineers) International Standard. Our aim is to improve durability, physical & chemical properties, micro structure, hardness & density of steel shots and steel grits. The company has always excelled in this demanding environment & have delivered quality production in today's highly competitive market. Our strategy is to enhance the brand competitive power constantly, pursuing outstanding quality, as well as hand in hand with our customer.



Mukesh Faldu: 09825078481 Sandeep Faldu: 09638135995

Suntech Industries

Plot No.14, Survey No:237,

Opp. Tirupati Oxygen, B/H Vikas Stove, Veraval (shapar)

Dist.Rajkot, (Gujarat) INDIA - 360024

Ph: +91 2827 - 253727

www.suntechshots.com

Email: suntech.ind@live.com



Steel Shots

Steel shot is a shot made of molten steel which is atomized (or granulated) into particles which are more or less spherical. The finished product is achieved after a process of treatment and selection.

Chemical Composition

Carbon	0.85% - 1.2 %.
Manganese	0.6% - 1.2%.
Silicon	0.4% minimum.
Sulfur	0.05% maximum.
Phosphorous	0.05% maximum.
Density	7.4 g/CC Minimum.
Microstructure	Finely tempered martensite.
Hardness	40-50 HRC, Special: 50-55 HRC, 55-60 HRC.



Steel Shot grades, sizes, Fineshes & Application									
Shot Grade	Finishing	Application							
S - 70	Fine, smooth shot finish. excellent coverage.	Blasting of relatively small ferrous. non-ferrous castings &							
S - 110		machined parts. Removal of light scale from foreign. heatreated							
S - 170		parts, mill scale, rust and other deposits.							
S - 230	Medium, light shot finish., good coverage.	Blasting of grey iron, malleable iron, light steel castings ,							
S - 280		medium forgins, heat-treated parts,heavy mill scale rust							
S - 330		and other deposits.							
S - 390	Average to heavy shot finish. average coverage.	Blasting of steel, heavy malleable iron and grey iron castings,.							
S - 460		Removal of scale from large billets, salbs - rust.							
S - 550									
S - 660	Rough coverage. adequate for most applications.	Heavy steel castings . Removal of tough, heavy scale							
S - 780									

Mesh	Sieve	Normal d Sieve Op.			_	l t. NI.		CAF	14446	1 T.	1			F
No	Opening Std			Shot Number - SAE J444 Shot Tolerance										
т.	(mm)		S 930	S 780	S 660	S 550	S 460	\$ 390	\$ 330	S 280	S 230	S 170	S 110	S 70
6	3.350	0.1320	All Pass											
7	2.800	0.1110		All Pass										
8	2.360	1.0937	85% min		All Pass									
10	2.000	0.0787	97% min	85% min		All Pass	All Pass							
12	1.700	0.0661		97% min	85% min		5% max	All Pass						
14	1.400	0.0555			97% min	85% min		5% max	All Pass					
16	1.180	0.0469				97% min	85% min		5% max	All Pass				
18	1.000	0.0394					96% min	85% min		5% max	All Pass			
20	0.850	0.0331						96% min	85% min		10% max	All Pass		
25	0.710	0.0278							96% min	85% min		10% max		
30	0.600	0.0234								96% min	85% min		All Pass	
35	0.500	0.0197									97% min		10% max	
40	0.425	0.0165										85% min		All Pass
45	0.355	0.0139										97% min		10% max
50	0.300	0.0117											80% min	
80	0.180	0.0070											90% min	80% min
120	0.125	0.0049												90% min
200	0.075	0.0029												
325	0.045	0.0020												



Steel grit characterizes grains with a predominantly angular shape which are obtained by crushing steel shot, therefore they exhibit sharp edges and broken sections.

Chemical Composition

Carbon	0.85% - 1.2 %.						
Manganese	0.6% - 1.2%.						
Silicon	0.5% minimum.						
Sulfur	0.05% maximum.						
Phosphorous	0.05% maximum.						
Density	7.0 g/CC Minimum.						
Microstructure	Homogeneous tempered martensite and baintite						
Hardness	40-50 HRC, Special: 50-55 HRC, 55-60 HRC.						





Mesh	Opening std	Nominal Sieve Op.				Grita	Niumi	hor S	A Grit	Tolore	ıncoo	7777		
No			Grite Number - SA Grit Tolerancee											
W		(in)	G 10	G 12	G 14	G 16	G 18	G 25	G 40	G 50	G 80	G 120	G 200	G 325
6	3.350	0.1320												
7	2.800	0.1110	All Pass											
8	2.360	0.0937		All Pass										
10	2.000	0.0787	80%		All Pass									
12	1.700	0.0661	90%	80% min	(C)	All Pass								
14	1.400	0.0555		90% min	80% min		All Pass							
16	1.180	0.0469			90% min	75% min		All Pass						
18	1.000	0.0394				85% min	75% min		All Pass					
20	0.850	0.0331												
25	0.710	0.0278					85% min	70% min		All Pass				
30	0.600	0.0234												
35	0.500	0.0197												
40	0.425	0.0165						80% min	70% min		All Pass			
45	0.355	0.0139												
50	0.300	0.0117							80% min	65% min		All Pass		
80	0.180	0.0070								75% min	65% min		All Pass	
120	0.125	0.0049									75% min	60% min		All Pass
200	0.075	0.0029										70% min	55% min	
325	0.045	0.0020											65% min	20%