HC STEEL GRIT

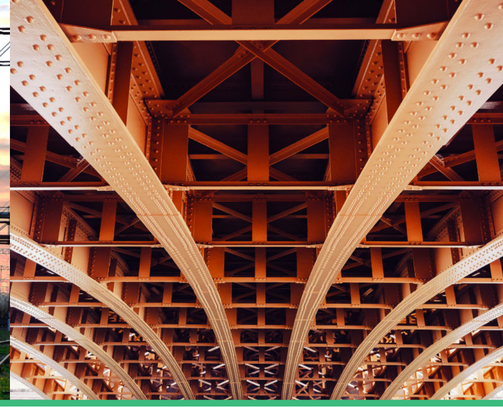
Long-lasting, reliable, reusable & recyclable metallic grit abrasive

Manufactured under strict conditions and using a unique air quenching thermal process, delivering a long lasting media, with minimal chloride & salt concentration, you receive a blasting media having the highest impact value. Used primarily in «sandblasting» applications in surface preparation prior to painting, it is also used for descaling and desanding application.

100% Recyclable & 100% reusable

Air blasting

Globally available



cleaning

preparing

W Abrasives by Winoa

USERS BENEFITS

#1 Quality

- Low conductivity grit to minimize chlorides surface contamination.
- Fine and homogeneous martensitic microstructure providing superior durability and product life.

#2 Cost

Equipped with the most advanced manufacturing technologies, offering great product durability and being strategically located, this allows us to offer a product with the best cost-benefit ratio.

#3 Availability

With multiple manufacturing plants around the globe, our steel grits are always available for a quick delivery.

MARKETS AND APPLICATIONS

Steel Structures

Railways

Pipe Coating

Windmills

Metallurgy

Contractors

Packaging

BOXED BAGS
1000 Kg (2205 lb)
40 bags of 25 kg (55 lb) per pallet

SUPERSAC
1000Kg
(2,205 lb)

DRUM
680 kg
(1500 lb)

DRUM
771 Kg
(1700 lb)

SPECIFICATIONS

Family	Steel Grit GP	Steel Grit GL	Steel Grit GH
Shape	Angular		
Shape in operation	Angular "Patatoid"	Angular "Soft edges"	Angular "Sharp edges"
Chemical composition	C ≥ 0.80%, Si ≥ 0.40%, 0.60% ≤ Mn ≤ 1.20%, S ≤ 0.05%, P ≤ 0.05%		
Hardness	40-51 HRC (544-613 HV)	54-61 HRC (580-720 HV)	60 HRC min (697 HV)
Standard deviation	± 3Rc (± 80 HV)		
Microstructure	Highly refined and homogeneous tempered martensite, obtained through a well-controlled manufacturing process that mixes the iron and carbon atoms in the finest and most ideal way possible, producing optimum homogeneity, hardness and resistance.		
Minimum density measured by alcohol displacement	> 7.3g/cm3		
Conductivity	Typically, <30 µS/cm Low level according to ASTM D4940		
Applicable Specifications	SAE J444, SAEJ445, SAE J1993, ASTM D4940, SSPC-AB3 (on request)		

Product	7	8	10	12	14	16	18	20	25	30	35	40	45	50	80	120	200
G.12		AP		*80% min*	*90% min*												
G.14			AP		*80% min*	*90% min*											
G.16				AP		*75% min*	*85% min*										
G.18					AP		*75% min*		*85% min*								
G.25						AP			*70% min*			*80% min*					
G.40							AP					*70% min*		*80% min*			
G.50									AP					*65% min*	*75% min*		
G.80												AP			*65% min*	*75% min*	
G.120														AP		*60% min*	*70% min*
Screen Number	7	8	10	12	14	16	18	20	25	30	35	40	45	50	80	120	200
Screen Size (mm)	2.80	2.36	2.00	1.70	1.40	1.18	1.00	0.85	0.71	0.60	0.50	0.425	0.355	0.30	0.180	0.125	0.075
Screen Size (inches)	0.111	0.0937	0.0787	0.0661	0.0555	0.0469	0.0394	0.0331	0.0278	0.0234	0.0197	0.0165	0.0139	0.0117	0.007	0.0049	0.0029

Cumulative Size Distribution (%)

*Document for informational purposes only. Not contractual. Contact your local representative for latest version of the technical data sheets.