ABRASIVES

STEEL GRIT

Mesh NO.	Sieve (mm.)	Grit Number									
		G-10	G-12	G-14	G-16	G-18	G-25	G-40	G-50	G-80	G-120	If any
7	2.800	All pass										
8	2.360		All pass									
10	2.000	80%		All pass								
12	1.700	90%	80%		All pass							
14	1.400		90%	80%		All pass						
16	1.180			90%	75%		All pass					
18	1.000				85%	75%		All pass				
20	0.850											
25	0.710					85%	70%		All pass			
30	0.600											
35	0.500											
40	0.425						85%	70%		All pass		
45	0.355											
50	0.300							80%	65%		All pass	
80	0.180								75%	65%		
120	0.125									75%	60%	
200	0.075										70%	

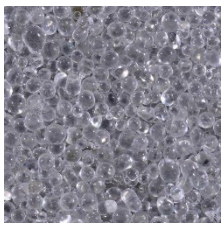
Type: GH
Nature: Crushed and hardened steel shot
Hardness: > 60 HRC
Chemical composition: C 0,9-1,1%
Mn 1,0-1,2%
Si 0,8-1,0%
P + S < 0,05%

STAINLESS STEEL GRIT

Sieve (mm)		200	150	100	60	50	40	30	20	10
	2,80	x								
	2,36	max 10	x							
	2,00		max 10	x						
	1,70			max 10						
	1,40	min 85			x					
	1,18		min 85		max 10	x				
	1,00			min 85		max 10	x			
	0,85						max 10			
	0,71				min 85			x		
	0,60					min 85		max 10		
	0,50									
	0,425						min 85		x	
	0,355								max 10	
	0,30									x
	0,18							min 85		max 10
	0,125								min 85	
	0,075									min 85

Type: GH
Microstructure: austenitic matrix with martensitic grains and chromium carbides
Hardness: 58 HRC
Chemical composition: C ~ 2%
Mn ~ 2%
Si ~ 3,5%
Cr ~ 30%

GLASS BEADS



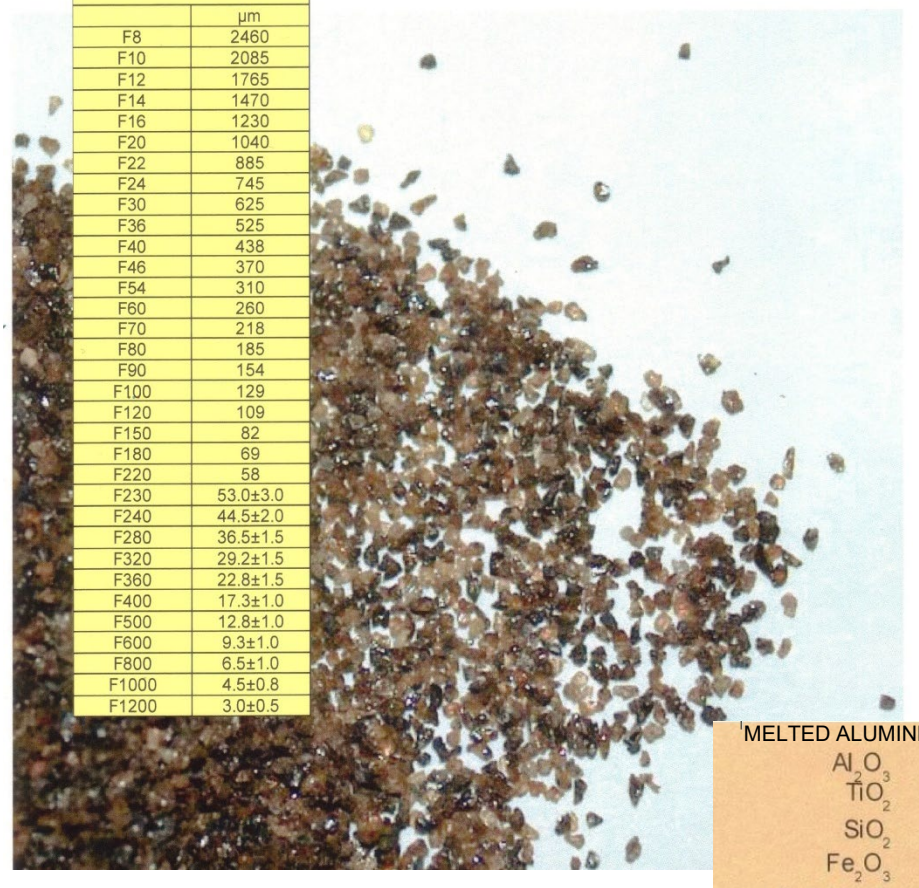
Description : glass microspheres free from free silica
Shape : spheroidal (< 2% angular grains)
Hardness : 6 + 7 Mohs
Specific weight : 2,45 + 2,50 Kg/dm^3
Relative specific weight: 1,4 + 1,7 Kg/dm^3
Chemical composition: SiO_2 bounded 70-73%
Na_2O 13-15%
CaO 7-11%
MgO 3-5%
Al_2O_3 0,5-2,0%
K_2O 0,2-0,6%
SO_3 0,2 – 0,3%
Fe_2O_3 0,08-0,11%
PbO absent

Dimensions:

SP 25	0,001 – 0,050mm
SP 55	0,040 – 0,070mm
SP 90	0,070 – 0,110mm
SP 110	0,070 – 0,150mm
SP 150	0,100 – 0,200mm
SP 200	0,150 – 0,250mm
SP 300	0,200 – 0,400mm
SP 600	0,400 – 0,800mm

BROWN CORUNDUM

	µm
F8	2460
F10	2085
F12	1765
F14	1470
F16	1230
F20	1040
F22	885
F24	745
F30	625
F36	525
F40	438
F46	370
F54	310
F60	260
F70	218
F80	185
F90	154
F100	129
F120	109
F150	82
F180	69
F220	58
F230	53.0±3.0
F240	44.5±2.0
F280	36.5±1.5
F320	29.2±1.5
F360	22.8±1.5
F400	17.3±1.0
F500	12.8±1.0
F600	9.3±1.0
F800	6.5±1.0
F1000	4.5±0.8
F1200	3.0±0.5



MELTED ALUMINIUM OXIDE

Al_2O_3	96,20%
TiO_2	2,85%
SiO_2	0,50%
Fe_2O_3	0,15%
CaO+MgO	0,30%
Meltin point	1950-2050°C
Knoop hardness	2100 kg/m²
Mohs	9

GARNET

General description:
Garnet is a mineral belonging to the group of Garnets with chemical formula Fe3Al2(SiO4)3.
It is chemically inert, free from free silica and any toxic metal and therefore guarantees a safe working environment with reduced disposal costs compared to other cheaper sandblasting abrasives.
Being free of ferrite, it is particularly suitable for sandblasting stainless steel, non-ferrous metals, glass, marble, etc. as well as for the cleaning of building facades.

MM	Standard	#12/20	#12/40	#20/40	#20/60	#30/60	#60	#120
1.680	12							
1.410	14							
1.190	16	0-15	0-15		0-1			
0.840	20	45-60	10-60	0-5	0-5	0-1		
0.594	30	30-40	25-50	30-60	10-25	0-10		
0.417	40	0-5	5-50	35-60	25-50	10-45	0-5	
0.297	50		0-10	0-16	25-45	40-70	15-35	
0.249	60			0-5	0-15	5-20	20-40	0-5
0.176	80				0-5	0-10	20-50	30-50
0.125	120					0-5	0-15	40-65
	Pan						0-3	0-10

Chemical composition:

Silicon dioxide (SiO_2)	35%
Ferric oxide (Fe_2O_3)	33%
Aluminium oxide (Al_2O_3)	23%
Magnesium oxide (MgO)	7%
Calcium oxide (CaO)	1%

Technical specification:

Hardness	: 7,5 – 8,0 Mohs scale
Solubility in vinegar	:<1%
Solubility in water	: insoluble under normal conditions
Shape of the crystal	: cubic, sub-angular
Chloride content	: <25 PPM
Granulometries	: #12/20 - #120 mesh
Specific weight	: 4,0 – 4,1 Kg/dm^3
Free silica content	: <0,5%
Colour	: red to reddish brown

OLIVINE Grit

Olivine is a natural, anhydrous magnesium silicate, absolutely free from asbestos, free crystalline silica, and other toxic-harmful substances.
The toughness of the Olivine grains reduces waste due to mechanical degradation, allowing for significant savings on additions and limiting the creation of dust.

L2
1÷2 mm

L1
0,5÷1,5 mm

S2
0,2÷0,9 mm

S1
0,1÷0,5 mm

Average chemical composition					
SiO_2	MgO	FeO	Fe_2O_3	CaO	Al_2O_3
41÷45%	41÷44%	6÷7%	0,2÷2%	1,5÷4%	1÷3%

Average mineralogical composition	
$(Mg, Fe)_2SiO_4$ – Olivine	Pyroxene spinels chromite
95÷97%	3÷5%

Average physical characteristics		
Specific weight		3,2÷3,3 t/m^3
Apparent specific weight		1,5÷1,7 t/m^3
Shape of the grain		polyhedral
Resistence to compression		2300÷2600 kg/cm^3
Hardness	Vickers grade	1000
	Mohs scale	6,5÷7

VEGETAL GRAINS

Vegetal grit obtained from shelling dried fruit (hazelnuts, almonds, etc.).

The product is suitable for "soft sandblasting", with the aim of removing carbon residues and encrustations on metal parts of engines, reactors, metal molds for foundries, molds for rubber and plastic materials.
The vegetable grit does not damage the metal and therefore does not alter the dimensions, finishes and edges of the items to be sandblasted;
Vegetable grit can be used to remove unwanted parts from precious wooden beams, statues, monuments and works of art.

CORK GRANULES (average density 0.62 kg/dm^3)

GM40 µ 400/540 | GM30 µ 540/750 | GM20 µ 750/1170 | GM16 µ 1170/1500 | GM12 µ 1500/2100 | GM8 µ 2100/3200

WALNUT SHELL GRANULES (average density 0.77 kg/dm^3)

GM40 µ 400/540 | GM30 µ 540/750 | GM20 µ 750/1170 | GM16 µ 1170/1500 | GM12 µ 1500/2100 | GM8 µ 2100/3200

OLIVE STONE GRANULES (average density 0.85 kg/dm^3)

GM40 µ 400/540 | GM30 µ 540/750 | GM20 µ 750/1170 | GM16 µ 1170/1500 | GM12 µ 1500/2100 | GM8 µ 2100/3200