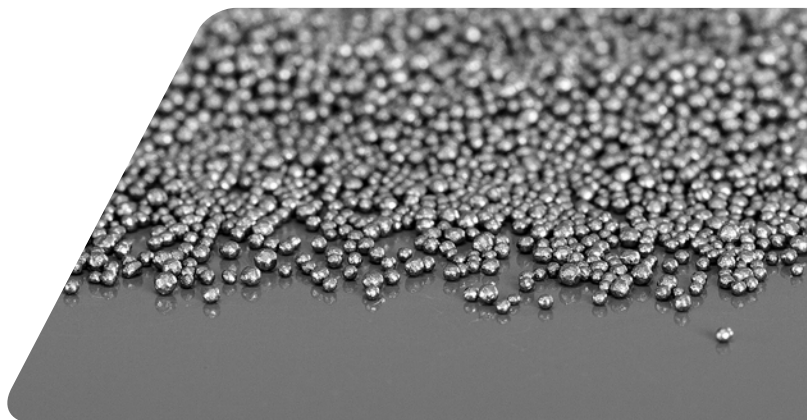


DATA SHEET

● CHRONITAL

Spherical, reusable blast media made of high-alloy cast stainless steel. Due to its special microstructure and work hardening ability, the abrasive achieves **highest strength values with very good toughness properties**. It offers optimum lifetime, performance and excellent corrosion resistance.



APPLICATIONS

De-burring and edge rounding, de-scaling, de-sanding and cleaning, roughening and structuring, satin finishing and smoothing, shot peening.

MATERIALS – SUBSTRATES

High and low alloy steels.
Aluminum, bronze, brass and zinc.
Titanium and nickel-based alloys.
Concrete and natural stones.

BLASTING SYSTEMS

Applicable in all industrial blasting systems.

STANDARD

Manufacturer standard, based on the norms ISO 11124, ISO 11125 and ISO 6507.

SUSTAINABILITY

ISO 9001, ISO 50001, ISO 14001.
Blast media made from recycled steel.
100% renewable electricity.

PACKAGING

25 kg Plastic Bag
500 kg EUR-Palett
500 kg Big Bag
750 kg Metal Drum
Others available upon request.

CHEMICAL ANALYSIS

C 0,14 – 0,18 %, Cr 17 – 19 %, Ni 8 – 10 %

PHYSICAL PROPERTIES

Bulk weight ~ 4,5 g/cm³
Specific weight ~ 7,9 g/cm³
Hardness new material ~ 275 HV (~ 28 HRC)
Hardness operating mix ~ 475 HV (~ 47 HRC)
Conductivity < 25 μS/cm
Chloride content < 1 ppm

MICROSTRUCTURE

Austenitic with delta-ferrite <10 %.
In operation, increasing formation of deformation-induced martensite.

GRAIN SIZES

S10 0,050 – 0,200 mm / 0.002 – 0.008 “
S20 0,090 – 0,315 mm / 0.004 – 0.012 “
S30 0,140 – 0,500 mm / 0.006 – 0.020 “
S40 0,400 – 0,800 mm / 0.016 – 0.031 “
S50 0,600 – 1,000 mm / 0.024 – 0.039 “
S60 0,700 – 1,250 mm / 0.028 – 0.049 “
S100 1,000 – 1,400 mm / 0.039 – 0.055 “
S150 1,250 – 1,700 mm / 0.049 – 0.067 “
S200 1,400 – 2,000 mm / 0.055 – 0.079 “
S300 1,700 – 3,000 mm / 0.067 – 0.118 “
S050 0,010 – 0,050 mm / 0.000 – 0.002 “
S090 0,050 – 0,090 mm / 0.002 – 0.004 “
S014 0,090 – 0,140 mm / 0.004 – 0.006 “

Others available upon request.