

DATA SHEET

● CHRONITAL

Spherical reusable blast media made of high-alloy cast stainless steel. Due to its tough microstructure and work-hardening ability, this abrasive provides an **ideal combination of lifetime and performance.**



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 / CERTIFICATES

Manufacturer standard, based on the norms
ISO 11124, ISO 11125 und ISO 6507.
ISO 9001, ISO 50001, ISO 14001.

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 – 0.013 “
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.