

DURMAT[®] 453 NiCrBSi

gas atomized
EN 1274 — 2.9 — *)

Application:

DURMAT[®] 453 is rust and acid durable, resistant to heavy abrasion and heat. Its hardness allows excellent gliding on high tensile strength steels and plastics. DURMAT[®]–453 is also recommended for caulking and for carbon packs in refrigeration units. The powder is both, corrosion and erosion durable.

Typical chemical composition (in wt-%):

C	Si	Cr	Ni	B
0.2-0.4	3.0-4.0	7.0-9.0	balance	1.6-2.3

Physical Properties:

Apparent Density (ISO 3923-2):	8.2 g/cm ³ **)
Hardness:	38-41 HRC
Melting point:	1100 °C / 2012 °F
Particle Size Range in µm *):	106/22 90/45 45/22
Particle Shape:	spherical

*) According to EN 1274 3.3 or as per individual customer specification.

***) Dependent from designated size.