

DURMAT[®] 353 NiCrBSi + FTC

gas atomized and crushed, blended
EN 1274 — — *)

Application:

DURMAT[®] 353 is rust and acid durable, resistant to heavy abrasion and heat. Due to the high FTC-content, the powder is heavy mechanical and mineral wear resistant. Typical application are in mechanical engineering, pump and mill construction, the manufacturing of petrochemical apparatus, deep drilling tools, wear plates in agriculture. Similar to DURMAT[®] 351 and DURMAT[®] 352 but higher FTC-content.

Chemical Composition (in wt-%):

	Ni	Cr	B	Si	C	W
20% Matrix	balance	16-17	3.3	3.8	0.8-1.0	0.8-1.0
80% FTC	-	-	-	-	3.9-4.1	balance

Physical Properties:

Density:	DURMAT [®] 456:	7.8 – 8.1 g/cm ³
	FTC DURMAT [®] 107:	16.0 – 17.0 g/cm ³
Particle Size Range in µm*):	125/45	
	90/45	
	45/22	
	25/5	
Hardness:	DURMAT [®] 107:	~ 2340 HV _{0.1}
	DURMAT [®] 456:	~ 56HRC
Melting Point:	DURMAT [®] 456:	1070°C
	DURMAT [®] 107:	2860°C

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