



## Fe03Si B

Product	Fe03Si B Fe03Si B (For general-purpose)									
Product description	Feedstock for metal injection moulding.									
Oversize factor	Min.	Average			Max.					
	1.213	1.216			1.219					
MFI g/10min	min.	Average			Max.		DIN EN ISO 1133 (190°C/21.6kg)			
	500	800			1100					
Typical composition after Sintering		Fe	C	Cr	Ni	Mo	Mn	Si	S	P
	>	-	0.0	-	-	-	-	2.5	-	-
	<	Bal.	0.1	-	-	-	-	3.5	-	-
Typical properties	Project	as sintered								
	Density	>7.55 g/cm <sup>3</sup>								
	Hc Coercive force	70A/m								
	Residual magnetic induction	0.8T								
	Permeability	$\mu_{max}$ =5000								
	Magnetization intensity	Js(4Ka/m)=1.36T								
	Hardness	100-180HV10								