

Specifications			
Max. PV-Value	Continuous operation	PV	1,6 N/mm ² • m/s
Max. load	Static load	P	≤ 30-90 N/mm ²
	Dynamic load	P	≤ 5-20 N/mm ²
Max. sliding speed		v	≤ 6 m/s
Coefficient of friction	Min.	μ	0,05
	Max.	μ	0,20
Service temperature	Min.	t	-10 °C
	Max.	t	+90 °C

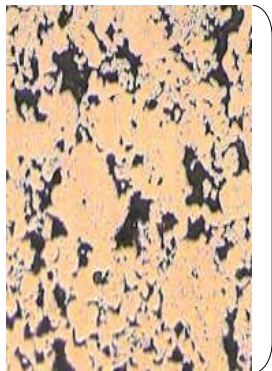
Characteristics	
Wide range of dimensions available from stock	Maintenance-free plain bearings for applications in mechanical engineering and precision engineering

Applications
Electric Motors & Transmissions, Household Appliances, Audio & Video Equipment, Precision Mechanics

Material									
Sint-	Density	Porosity	Chemical composition (mass fraction)					Radial Breaking Strength	Hardness
	p	V/V x 100	C	Cu	Sn	Fe	Other	K	HB
	g/cm ³	%	%	%	%	%	%	N/mm ²	
A50	6,4 - 6,8	25 ± 2,5	< 0,2	Rest	9 - 11	-	< 2	> 120	> 25
B50	6,8 - 7,2	20 ± 2,5						> 170	> 30
A51	6,0 - 6,5	25 ± 2,5	0,5 - 2	Rest	9 - 11	-	< 2	> 100	> 20

Material Structure

Monometal material, Oil-impregnated sintered bronze



Sintered bronze

Homogeneously mixed powder, sintered and oil-impregnated

Exemplary illustration