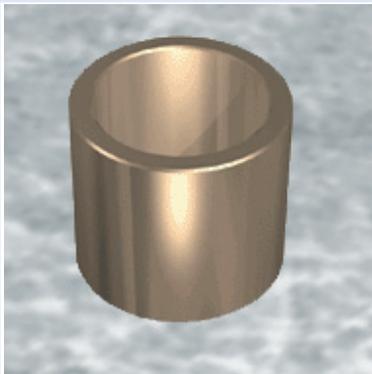
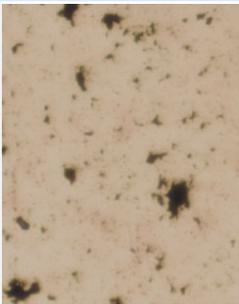


Sintered Bronze Bearing Material	Characteristics	Applications
 	<ul style="list-style-type: none"> <li>Maintenance-free bearing for general engineering applications</li> <li>Optimum performance under relatively light loads and high speeds</li> <li>Produced by powder metallurgy process and therefore suitable for complex shapes</li> <li>Wide range of parts available from stock</li> </ul>	<b>Industrial</b> FHP motor bearings, domestic appliances and hand tools

Composition & Structure	Operating Conditions	Availability										
BP25 bronze sinter impregnated with oil, similar to SINT A 50, impregnation group 1	<table border="1"> <tr> <td>dry</td> <td>good (oil impregnated)</td> </tr> <tr> <td>oiled</td> <td>good (additional oil impregnation)</td> </tr> <tr> <td>greased</td> <td>fair</td> </tr> <tr> <td>water</td> <td>not suitable</td> </tr> <tr> <td>process fluid</td> <td>not suitable</td> </tr> </table>	dry	good (oil impregnated)	oiled	good (additional oil impregnation)	greased	fair	water	not suitable	process fluid	not suitable	<b>Ex Stock</b> <ul style="list-style-type: none"> <li>Cylindrical bushes and flanged bushes in a variety of ranges</li> </ul> <b>To order</b> <ul style="list-style-type: none"> <li>Non-standard parts</li> </ul>
dry	good (oil impregnated)											
oiled	good (additional oil impregnation)											
greased	fair											
water	not suitable											
process fluid	not suitable											

Microsection	Bearing Properties	Unit	Value
 <p>BP25: 8 to 10,5% Sn other &lt;2% Rest Cu impregnation group 1 (up to +80°C)</p>	<b>Dry</b>		
	Maximum sliding speed $v$	m/s	-
	Maximum pv factor	MPa x m/s	-
	Coefficient of friction $f$	-	-
	<b>Oil lubrication</b>		
	Maximum sliding speed $v$ , oil impregnated	m/s	10.0
	Maximum pv factor, oil impregnated	MPa x m/s	10.0
	Coefficient of friction $f$ , oil impregnated	-	0.08-0.12
	<b>General</b>		
	Maximum temperature $T_{max}$	°C	+90
Minimum temperature $T_{min}$	°C	-5	
Maximum load $p$ static	MPa	10.0	
Maximum load $p$ dynamic	MPa	5.0	
Shaft surface finish $R_a$	$\mu m$	$\leq 0.2$	
Shaft hardness - normal	HB	>350	