



# graphite

## FEATURES

- Good self-lubricity
- Corrosion-proof
- Low friction coefficient
- Good thermal shock
- Low thermal expansion



QUALITY GRADE		Extruded	Isostatic	With impregnation	
<b>PHYSICAL PROPERTIES</b>					
Impregnation		--	--	Resin	Antimony
Density	g/cm <sup>3</sup>	1,71	1,85	1,83	2,70
Porosity	%	18	15	0,1	0,5
Ash content	%	0,3	0,1	--	--
Hardness Rockwell	HR <sub>B</sub> 5/100	--	--	110	115
Compressive Strength	MPa	50	86	200	220
Flexural Strength	MPa	13,5	42	80	90
Young Modulus	Gpa	12	10,8	15	30
Thermal Conductivity	W/m°C	200	122	8	20
Resistividad Eléctrica	μΩm	8	9,5	35	2
Thermal Expansion Coeff.	10 <sup>-6</sup> /°C	2,5	4,4	5	8
Safe Use Temperature	°C	--	--	250	400



**NOTA:** These properties are typical average value and are for general guidance only, not compromising the Carbosystem company.



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