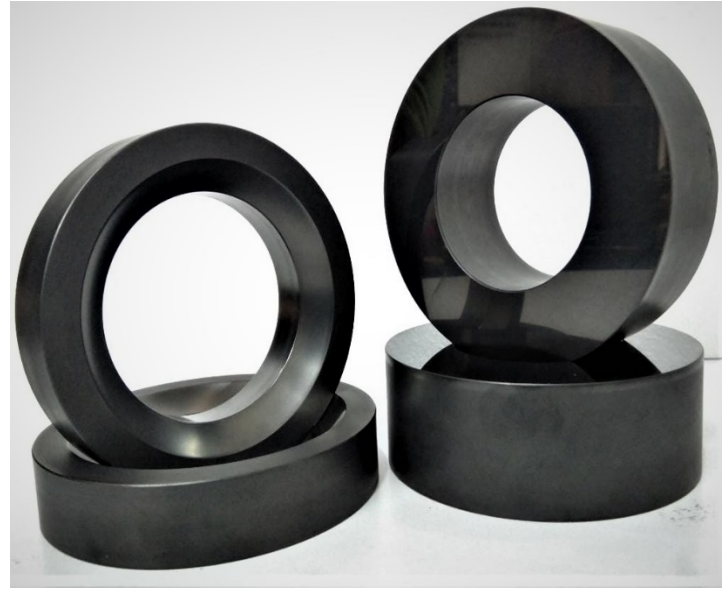


# MRO MASTER™

**Sb ©** STEAM ROTARY JOINTS, BUSH BEARINGS

## Metal impregnated Carbon Rings

This is an Antimony (Sb) impregnated hard sintered carbon that is especially suited for extreme heavy duty application involving non-corrosive media. Boiler feed water, Steam and hydrocarbon service seals with hard carbon as a mating face have a much longer service life. Hard carbon exhibits better abrasive resistance and emergency dry running characteristics, Antimony reduce the porosity in the carbon and enhance the mechanical properties and extends life of the Seal.



### APPLICATIONS:

**Sealing Rings and Bush Bearings at Higher load and under liquids and liquefied gas, Light, medium, heavy Hydrocarbons, Oils and Steam. Uses as stationary part in Driers, Mixers, Valves, pumps**

### SPECIFICATIONS:

Material	Apparent Density gram/cm <sup>3</sup>	Thermal Conductivity W/m-K	Co-efficient of Thermal Expansion, (Linier)	Hardness	Modulus of Elasticity	Compressive Strength & Flexural Strength	Heat Resistance
							Max. Temp. Limit, °C
Sintered Carbon Antimony (Sb) Impregnated	2.3	13	5.50 µm/m-°C @Temp200 - 600°C	115 BHN	24 KN/mm <sup>2</sup>	250 N/mm <sup>2</sup> & 80 N/mm <sup>2</sup>	350 (Oxidizing ) 600 (Non-Oxidizing)

**N.B.** The information, details and values indicated are to the best of our know ledge. We recommend to conduct tests according to local conditions. The data is subject to some variations without notice.