

DATA / SPECIFICATION SHEET



GRAPHITE RING

DESCRIPTION

Masterpac molded graphite rings are manufactured from an extensive range of existing tooling. New tooling manufactured in house to customer specific requirement can be supplied on short lead times, normally in a range of densities from 1.2 g /cc to 1.8 g /cc with Carbon content more than 99%. Corrosion and oxidation resistant grades some with PTFE impregnation also supplied.

SERVICE

Our graphite rings main application are bonnet seals, stuffing boxes in both valves and pumps. They work at a temperature of +455°C, in vacuum - up to 2200°C and in a fully inert media - up to 2800°C. Resistant to aggressive media - concentrated acid solutions, hot oils and others with chemical range of pH 0 - 14. (Check with Masterpac-Asia "Technical Team" if in doubt)

AVAILABILITY

As per customer drawing.

PROPERTIES

Density Range	: 1.2 g/cc to 1.8 g/cc
Tensile Strength	: 5.2 N/mm ²
Compression	: 47%
Recovery	: 10%
Chloride Content	: 50 ppm Max

USE

Min. Temperature	: -200°C
Max. Temperature	: +2800°C (inert atmosphere) +455°C (oxidizing atmosphere)
Max. Pressure	: 300 bar

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