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CARBON - GRAPHITE

# 3R746



## Description

The 3R 746 packing is manufactured from high purity flexible graphite that is expanded and formed into a braidable yarn and then braided without binders or wire reinforcement. The finished product retains all the inherent benefits of flexible graphite: heat resistance, chemical inertness, low friction, self lubrication and ready conformability.

## Applications

This versatile packing can be used in many applications such as in valves, pumps, expansion joints, mixers and agitators in the hostile environments of hydrocarbon processing, pulp and paper, power generation, metal-working and other industries where effective sealing is vital.

## Specifications

### Service limits

Temperature	-240°C to 450°C (-400°F to 840°F)
In steam	1200°F
Pressure	Static: 4350 psi (300 bar), Rotating: 435 psi (30 bar), Reciprocating: 1450 psi (100 bar)
Shaft speed	5904 fpm (30 m/s)
pH	0-14 (except strong oxidizers)

### Approximate yields - Feet per pound (+/- 10%)

1/8"	112
3/16"	50

1/4"	28.5
5/16"	18.2
3/8"	13.2
7/16"	9.6
1/2"	7.4
9/16"	6.1
5/8"	4.9
3/4"	3.6
7/8"	2.6
1"	2.1

N.B. The information presented may differ from practice. We recommend conducting tests according to the conditions of use. We accept no responsibility for results obtained by the application of this information or the safety and suitability of our products. The data is subject to certain variations without notice.