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## 3R746

### FLEXIBLE GRAPHITE

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

<b>Minimum temperature</b>	<b>-240°C (-400°F)</b>
<b>Maximum temperature</b>	<b>450°C (840°F)</b>
<b>In steam</b>	<b>1200°F</b>
<b>Pressure</b>	
Rotating	435 psi (30 bar)
Reciprocating	1450 psi (100 bar)
Static	4350 psi (300 bar)
<b>Shaft speed</b>	<b>5904 fpm (30 m/s)</b>
<b>pH</b>	<b>0-14 (except strong oxidizers)</b>

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

<b>1/8"</b>	<b>112</b>
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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, 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 w ithout notice.