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PTFE - GRAPHITE

3R730



Description

3R730 packing is an interlock braid, utilizing EG2 PTFE/graphite yarn and a high temperature break-in lubricant. EG2 yarn is formed from expanded PTFE in which fine particles of pure graphite have been encapsulated. The resulting packing combines the chemical resistance of PTFE with the heat dissipation characteristics of graphite, thus allowing much higher shaft speeds than conventional PTFE packing.

Applications

It is chemically inert over the entire 0-14 pH range with these exceptions: molten alkali metals, fluorides, aleum, fuming nitric acid, aqua regia and other strong oxidizing agents.

The 3R730 is an excellent general service and corrosive service packing and commonly used in pumps, valves, rotating and reciprocating shafts, mixers and agitators. It is especially designed for services involving surface speeds and temperatures higher than those that can be handled by pure PTFE packing.

Specifications

Service limits

Temperature	-200°C to 280°C (-328°F to 536°F)
Pressure	Static: 2900psi (200 bar), Rotating: 1450psi (100 bar), Reciprocating: 500psi (35 bar),
Shaft Speed	4921 fpm (25 m/s)
pH	0-14

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

1/8"	84
3/16"	37.8

1/4"	20.2
5/16"	13.7
3/8"	9.8
7/16"	7.4
1/2"	5.2
9/16"	4.2
5/8"	3.5
3/4"	2.5
7/8"	1.9
1"	1.4

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.