



### Product Description

John Crane RPS44 is a packing designed for paper refiners. Made from expanded PTFE (with encapsulated graphite) and polyamide yarns, this packing is designed to handle high axial and radial shaft movement. In addition to paper refiners, this packing works extremely well on agitators, mixers, and hydropulpers.

The resiliency of this packing, made possible by the addition of internally braided rubber cords, allows for increased sealability on rotating equipment with excessive shaft runout.

### Construction/Features

A combination of John Crane C1065CGF and 1349 provides an abrasion-resistant and resilient packing. Expanded PTFE with encapsulated graphite is used as the base yarn, with the polyamide yarn braided into the outside corners. Neoprene<sup>®</sup> rubber cords are located in each internal corner of the packing, providing resiliency.

The C1065CGF yarn yields excellent sealability, while the 1349 yarn provides abrasion resistance. The polyamide yarn is permeated with a PTFE dispersion to enhance sealability and lubricity. A high temperature lubricant is applied to the finished product to assist with startup and break-in.

### Performance Capabilities

- Temperature: up to 175°C/350°F
- Pressure: up to 20.5 bar g/300 psig
- Speed: up to 13 m/s/2500 fpm
- pH range: 0 to 10

### Industries Served

- Chemical processing
- Mining
- Municipal
- General industry
- Pulp and paper

### Applications

RPS44 is a resilient packing designed to handle high shaft runout and axial movement. In addition to refiners, this packing works well in other pulp and paper applications, including agitators, mixers, pulpers, and digesters. Because of its ability to withstand abrasives without accelerating shaft/sleeve wear, it will reduce maintenance costs and downtime.

### Standard Sizes

RPS44 is available in standard cross-section sizes from 1/2" to 1-1/2" in 1/8" increments. Standard five-ring sets with a lantern ring are available to fit most OEM refiners (also available for immediate shipment).

Packing ring sets are available in four standard sizes. Each packing ring set has five-rings of packing plus a PTFE lantern ring. Standard set sizes are:

4.625" x 5.625" (Set P07974)

5.750" x 7.000" (Set P07975)

6.250" x 7.500" (Set P07976)

8.250" x 9.750" (Set P07977)

Ring sets are available from stock for immediate delivery. For applications other than standard refiners, reel stock is available for bulk packing spools or specified dieformed ring sizes.

Note: For additional application or product information, contact John Crane.

