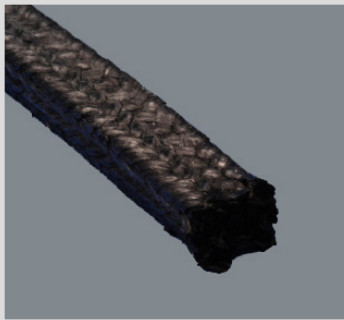


Packing Style: 7830



Style 7830 packing is ideally suited for use in severe service valves and rotary shaft applications. It handles strong acids and alkali solutions except fuming nitric acid, oleum and fluorine. It can be used to seal steam, water, oil, solvents, alkalies, and acids. It is often used as end rings for packing sets utilizing softer packings that might tend to extrude. Style 7830 also handles high temperatures, extremely high shaft speeds (see Service Limits below), most strong chemicals, and reduces shaft wear.

CONSTRUCTION

Style 7830 packing is a rugged premium grade, low friction, high strength, proprietary graphite fiber, twisted together and interlock braided. Style 7830 is treated with pure graphite powder to provide a bearing film and protect shafts from scoring. It also acts as a blocking agent to prevent wicking.

TEMPERATURE

Minimum: -400°F (-240°C)

Maximum:

- In air 840°F (450°C)
- In steam 1200°F (650°C)

PRESSURE

Rotating 435 psi (30 bar)

Reciprocating 1450 psi (100 bar)

Static 4350 psi (300 bar)

SHAFT SPEED

3900 fpm (20 m/s)

PH RANGE

0-14 (except strong oxidizers)

| Thickness | ft/lb | Thickness | ft/lb |
|-----------|-------|-----------|-------|
| 1/8" | 120 | 1/2" | 8.3 |
| 3/16" | 60 | 9/16" | RFQ |
| 1/4" | 30 | 5/8" | 5.3 |
| 5/16" | 19.2 | 3/4" | 3.3 |
| 3/8" | 13.7 | 7/8" | 2.5 |
| 7/16" | RFQ | 1" | 2 |