

Phenolic Packing — Size Chart / Common Sizes / Specifications

A — Phenolic braided packings (Kynol® / phenolic yarn, PTFE-lubricated)

Common sizes & typical application scenarios (phenolic braided)

Product form	Typical stocked sizes	Typical packaging	Typical application scenarios
Round braided cord	Ø 2.0, 3.0, 4.0, 5.0, 6.0, 8.0, 10.0, 12.0 mm (metric) — imperial equivalents commonly stocked.	Small spools (1 - 10 m), reels (10 - 100 m), boxed coils; pre-cut rings on request.	Ø2 - 4 mm: small valve stems & instrumentation; Ø4 - 8 mm: standard centrifugal pumps, agitators; Ø8 - 12 mm+: large stuffing boxes, stern tube glands. Phenolic braided is widely used where abrasive solids and high pH are present (pulp & paper stock pumps, slurry pumps, some chemical duties).
Square braid	3×3, 4×4, 5×5, 6×6, 8×8 mm	Same packaging; square braid improves corner contact and sealing under low gland loads.	Reciprocating pumps and valves where tighter sealing corners are beneficial.
Ribbon / flat	widths 6 - 12 mm, thickness per vendor	Rolls / spools	Layered stuffing box installation, large diameter shafts and slow agitators.
Example service limits (typical vendor numbers)	Shaft speed up to several m/s; pH tolerance variable per grade; Tmax ~230 - 250° C for many grades. See supplier TDS for exact numbers.		

B — Phenolic braided — graphite / specialty impregnated variants

Common sizes & typical application scenarios (graphite-impregnated phenolic)

Product form	Typical sizes	Typical applications
Round cord	Ø 4 - 12 mm commonly stocked	Centrifugal slurry pumps, pulp & paper stock pumps where improved lubrication + abrasion resistance required.
Square braid	4×4 → 6×6 mm typical	Reciprocating & rotary pumps in chemical processes where graphite contamination is acceptable.
Packaging	Spools, boxed coils, pre-cut ring sets for frequent pump types	Maintenance kits for pulp & paper and mining auxiliary pumps.

C — Compressed phenolic sheet / phenolic gasket material (phenolic fiberboard / phenolic-NBR sheet)

Common sizes & typical application scenarios (phenolic sheets / molded rings)

Product form	Typical stocked sizes	Typical application scenarios
Sheet panels	1000×1000 mm, 1500×1000 mm, thickness 1.5 - 20 mm (G-grade glass/phenolic boards available in many thicknesses).	Cut gaskets for flanges requiring rigid seal faces; insulating pads; high-temperature flange gaskets in some equipment.
Molded / die-formed rings	Custom OD/ID and thicknesses (typical 1.5 - 6 mm for gasket rings)	Pre-formed sealing rings for mechanical devices where a rigid sealing ring is used (backup rings, rotor seat rings).
Compressed sheet gasket (Phenolic/NBR)	Standard compressed sheet sizes & thicknesses (e.g., Durlon® style products) — check supplier for specific panel & thickness offerings.	Flanges where phenolic composite gaskets are acceptable and required for higher heat or rigidity.