Detailed Product Parameters for PTFE Packing

Type	Material Composition	Temperature Range	Pressure Resistance (MPa)	Chemical Resistance	Lubrication
Aramid Fiber PTFE Packing	PTFE + Aramid Fiber Reinforcement	-50°C to +260°C	10 - 35	Excellent (All Chemicals)	Self-Lubricating
Non Asbestos PTFE Packing with Oil	PTFE + Non-Asbestos Fibers + Oil Impregnation	-30°C to +230°C	8 - 25	High (Acids, Alkalis)	Oil-Enhanced
White PTFE Gland Packing with Aramid Corners	Pure PTFE + Aramid Corner Reinforcement	-200°C to +260°C	12 - 30	Full Chemical Inertness	None Required
Black Graphite PTFE Gland Packing with Aramid Corners	PTFE + Graphite + Aramid Corners	-100°C to +280°C	15 - 40	Extreme Chemical Resistance	Graphite-Enhanced
High-Temperature PTFE Graphite Gland Packing	PTFE + Expanded Graphite	-200°C to +320°C	20 - 45	Resists Harsh Media	Thermal Stability
PTFE with Aramid in Corners Reinforced Braided Sealing Packing	Braided PTFE + Aramid Threads at Edges	-50°C to +250°C	10 - 30	Universal Compatibility	Low Friction

Type	Material Composition	Temperature Range	Pressure Resistance (MPa)	Chemical Resistance	Lubrication
Wear Resistance PTFE Packing	PTFE + Carbon Fiber/Glass Fiber Reinforcement	-70°C to +260°C	18 - 38	Superior Abrasion Resistance	Fiber-Optimized
Pure PTFE Pump Gland Braided Packing Without Oil	100% Virgin PTFE Braided	-200°C to +260°C	5 - 20	Perfect for Food/Grade	Non-Contaminating

Detailed Product Parameters for Phenolic Packing

Type	Material Composition	Temperature Range	Pressure Resistance (MPa)	Chemical Resistance	Lubrication
Phenolic Fiber Impregnated with PTFE Braided Gland Packing for Pump	Phenolic Fibers + PTFE Coating	-40°C to +260°C	10 - 35	Resists acids, alkalis, solvents	PTFE-enhanced low friction
Phenolic Gland Packing for Pumps and Valves	Phenolic Resin-Bonded Fibers	-50°C to +200°C	8 - 25	Moderate resistance to oils, steam	Dry operation, minimal wear
Kynol Fiber Gland Packing	Modified Phenolic (Kynol®) Fibers	-100°C to +300°C	15 - 45	Superior thermal/chemical stability	Non-abrasive, self-lubricating
Compression Phenolic Fiber Packing	High-Density Phenolic Fiber + Graphite Blend	-30°C to +220°C	20 - 50	Universal compatibility	Graphite-impregnated lubrication

Detailed Product Parameters for Graphite Packing

Type	Material Composition	Temperature Range	Pressure Resistance (MPa)	Chemical Resistance	Lubrication
Expanded Graphite Gland Packing	98% Pure Expanded Graphite	-200°C to +450°C	15 - 50	Resists Acids, Alkalis, Solvents	Self-Lubricating
High Pressure Mechanical Seal Graphite Gland Packing	Graphite + Aramid Fiber Reinforcement	-50°C to +400°C	25 - 100	Excellent for Aggressive Media	Graphite-Enhanced
Flexible Graphite Gland Packing	Intercalated Graphite Foil	-240°C to +600°C	10 - 30	Full Chemical Inertness	Thermal Stability
Cotton Packing with Graphite	Cotton Fibers + Graphite Impregnation	-20°C to +180°C	5 - 15	Moderate (Water, Steam)	Graphite-Coated
Cotton Packing with Oil	Cotton Fibers + Oil & Graphite Blend	-30°C to +150°C	3 - 10	Limited (Non-Corrosive Fluids)	Oil-Based Lubrication

Detailed Product Parameters for Carbon Fiber Gland Packing

Type	Material Composition	Temperature Range	Pressure Resistance (MPa)	Chemical Resistance	Key Features
Carbon Fiber Gland Packing for Pumps	Carbon Fiber + PTFE/Resin Binder	-50°C to +320°C	10 - 35	Resists acids, alkalis, solvents	High elasticity, low friction, pump-specific sealing
Carbon Fiber Gland Packing with Graphite	Carbon Fiber + Graphite Impregnation	-100°C to +450°C	15 - 50	Superior thermal/chemical stability	Self-lubricating, ideal for high-speed shafts
Graphite Carbon Fiber Packing	Carbon Fiber + Expanded Graphite Reinforcement	-200°C to +600°C	20 - 60	Extreme chemical inertness	High-temperature stability, minimal wear
High Pressure Carbon Fiber Braided Packing	Braided Carbon Fiber + Aramid Hybrid	-70°C to +400°C	25 - 100	Resists aggressive media	Reinforced for heavy machinery/severe loads
Corrosion Resistance Carbon Fiber Braided Packing	Carbon Fiber + Corrosion-Resistant Polymer Matrix	-50°C to +280°C	12 - 30	Excellent for acidic/alkaline environments	Non-reactive, FDA-compliant options
Carbon Fiber	Tightly Braided Carbon	-40°C to	8 - 25	Universal fluid	Easy installation,

Type	Material Composition	Temperature Range	Pressure Resistance (MPa)	Chemical Resistance	Key Features
Compression Braided Packing	Fiber + Lubricant Coating	+350°C		compatibility	reduced maintenance

Detailed Product Parameters for Aramid Packing

Type	Material Composition	Temperature Range	Pressure Resistance (MPa)	Chemical Resistance	Lubrication
Aramid Fiber Packing	Pure Aramid Fibers	-50°C to +250°C	10 - 30	Resists mild acids, alkalis	Minimal, dry operation
Aramid Fiber Compression Gland Packing	Aramid Fibers + PTFE Impregnation	-70°C to +280°C	15 - 40	High resistance to oils, solvents	PTFE-enhanced lubrication
Aramid Braided Packing for Auto Water Pump Seal	Braided Aramid + Silicone Coating	-40°C to +200°C	8 - 25	Water, coolant, and grease resistance	Silicone-based lubrication
Pump and Valve Compression Gland Packing	Aramid + Graphite Reinforcement	-100°C to +300°C	20 - 50	Universal chemical compatibility	Graphite self-lubrication
Aramid Fiber PTFE Packing	Aramid Core + PTFE Outer Layer	-200°C to +260°C	12 - 35	Full chemical inertness	PTFE non-stick surface
Wear Resistance Aramid Fiber Gland Packing	Aramid + Carbon Fiber Hybrid	-50°C to +280°C	18 - 45	Superior abrasion resistance	Fiber-optimized lubrication
Kevlar Gland Packing	Kevlar® Fibers +	-60°C to	25 - 60	Resists harsh	Low-friction resin

Type	Material Composition	Temperature Range	Pressure Resistance (MPa)	Chemical Resistance	Lubrication
	Resin Binder	+300°C		industrial media	coating
Oil Immersed Aramid Packing	Aramid Fibers + Oil-Graphite Saturation	-30°C to +180°C	5 - 20	Limited to non-corrosive fluids	Oil-graphite blend

Detailed Product Parameters for Acrylic Gland Packing

Type	Material Composition	Temperature Range	Pressure Resistance (MPa)	Chemical Resistance	Lubrication
Acrylic Fiber Gland Packing	Pure Acrylic Fibers	-20°C to +130°C	5 - 20	Resists mild acids, alkalis, water	Dry operation, minimal lubrication
PTFE-Coated Acrylic Gland Packing	Acrylic Fibers + PTFE Impregnation	-30°C to +150°C	10 - 30	High resistance to oils, solvents	PTFE-enhanced low friction
High-Temperature Acrylic Packing	Acrylic + Graphite Reinforcement	-50°C to +180°C	15 - 35	Universal chemical compatibility	Graphite self-lubrication
Corrosion-Resistant Acrylic Packing	Acrylic + Silicone Polymer Blend	-40°C to +160°C	8 - 25	Superior resistance to corrosive media	Silicone-based lubrication
Reinforced Acrylic Braided Packing	Acrylic + Aramid Hybrid Fibers	-20°C to +200°C	20 - 50	Resists abrasion, aggressive fluids	Fiber-optimized dry lubrication

Detailed Product Parameters for Ramie Gland Packing

Type	Material Composition	Temperature Range	Pressure Resistance (MPa)	Chemical Resistance	Lubrication
Ramie Fiber Packing with PTFE Lubricant	Ramie Fiber + PTFE Impregnation	-50°C to +220°C	8 - 25	Resists acids, alkalis, mild solvents	PTFE-enhanced low friction
Mechanical Seal Compression Ramie Fiber Gland Packing	Braided Ramie + Silicone Resin Binder	-30°C to +180°C	10 - 30	Compatible with oils and steam	Silicone-based lubrication
Corrosion-Resistant & High-Temperature Ramie Fiber Gland Packing	Ramie + Graphite-Reinforced Polymer Coating	-100°C to +300°C	15 - 45	Superior resistance to corrosive media	Graphite self-lubrication
High Pressure Tearing-Resistant Flax Packing	Hybrid Ramie/Flax Fibers + Aramid Reinforcement	-40°C to +250°C	20 - 60	Resists aggressive fluids and abrasion	Dry operation, minimal wear
Flax Ramie Gland Packing	Pure Flax-Ramie Blend + Natural Wax Coating	-20°C to +150°C	5 - 18	Biodegradable, water-resistant	Wax-based lubrication