



## CLARKSON KNIFE GATE VALVES

### PACKING MATERIAL SPECIFICATIONS

Technical specifications for knife gate packing materials

#### TECHNICAL SPECIFICATIONS FOR K-LON AND D-LON

	K-LON	D-LON
Formula number:	EM-D1-28	EM-D1-25
Typical application:	Standard K-Nife packing material for general industrial use	Food service
Construction/ composition:	Virgin PTFE synthetic yarn	Dry PTFE cross-plait yarn
General temperature rating:	Minus 30°C (20°F) to 230°C (450°F)	Up to 250°C (480°F)
pH range:	2 -12	0 -14
Color of packing:	White	White
Suitable for:	Mild acids, caustic, solvents, water, oils, neutral fluids	Food grade service, most chemicals, acids and alkalies
Not suitable for:	Fluorinated hydrocarbon, fused or dissolved alkali metals, elemental fluorine and chlorine, trifluoride above ambient temperature Refer K-Nife material compatibility technical data sheet for a more detailed reagent analysis	Abrasive applications can be detrimental to D-Lon, Molten Sodium, Fluorine, and invalidated mediums

#### TECHNICAL SPECIFICATIONS FOR G-LON AND H-LON

	G-LON	H-LON
Formula number:	EM-D1-24	EM-D1-23
Typical application:	High cyclic service	Abrasive slurry service
Construction/ composition:	PTFE/Graphite cross-plait yarn	Kevlar/PTFE/Graphite cross-plait yarn
General temperature rating:	Up to 260°C (500°F)	Up to 260°C (500°F)
pH range:	1-13	2-13
Color of packing:	Black	Black with yellow corners
Suitable for:	High cyclic applications, most mild acids, alkalies, fuels and oils	Abrasive slurry applications, mild acids, alkalies, fuels, sewerage, digester valves.
Not suitable for:	Strong oxidising agents such as aqua regia, fuming nitric acid and oleum	Clean fluid application

#### NOTE

This information has been derived from published literature from suppliers and manufacturers. It is therefore intended as a guide only in selecting materials for specific sealing applications in our valves.

If in doubt we suggest that customers test packing under operating conditions to determine their suitability.

No warranty is given against deterioration.

Specifications may vary between the actual valve assembly and the material detailed above.

Please refer to the valve literature sheet before making final valve selection.

Neither Emerson, Emerson Automation Solutions, nor any of their affiliated entities assumes responsibility for the selection, use or maintenance of any product. Responsibility for proper selection, use, and maintenance of any product remains solely with the purchaser and end user.

Clarkson is a mark owned by one of the companies in the Emerson Automation Solutions business unit of Emerson Electric Co. Emerson Automation Solutions, Emerson and the Emerson logo are trademarks and service marks of Emerson Electric Co. All other marks are the property of their respective owners.

The contents of this publication are presented for informational purposes only, and while every effort has been made to ensure their accuracy, they are not to be construed as warranties or guarantees, express or implied, regarding the products or services described herein or their use or applicability. All sales are governed by our terms and conditions, which are available upon request. We reserve the right to modify or improve the designs or specifications of such products at any time without notice.

[Emerson.com/FinalControl](http://Emerson.com/FinalControl)