



# Uni Klinger - compressed gasket materials



## **Material Properties**

ULL	Material Description	Operating Guidelines	(see note below*)	Typical Spe	ecifications	Typical Original Properties (1.5mm)	Typical Properties after Fluid Immersion (1.5mm)
UKL® (3XA)	Top quality service sheet for steam, gas, water, alkaline media, non-agressive solvents and many other chemicals such as aliphatic alcohols, esters, ketones and amines composed of SBR binder and high grade chrysotile asbestos. Colour:Red/Brown.	Max. Temperature Max. Pressure (Indian Standard IS 2712 / 1998 : Gr. W/1 & 0/1)	550°C 130 bar	British German American French	BS 1832 Grade A & 0 DIN 375-4 IT 400 ASTM F104-F112 551 M8 NFT48001 Cat. D.		m³ ASTM Fuel A 5 hours 20°C 0-10% 8% ASTM Fuel B 5 hours 23°C 15% 5%
UKL® Universal (3 X A)  UKL  UNIVER	Top quality universal sevice sheet suitable for nearly all media such as: hydrocarbons, alkalines and medium strong acids. Composed of NBR binder and high grade chrysotile asbestos. Particularly suitable for use in aviation industry, hot oil and thermic fluids. Colour: Blue. † Do not retorque fasteners at cryogenic temperatures	Max. Temperature Max. Pressure Min. Temperature † (Indian Standard IS 2712 / 1998 : Gr. 01 & W/1	550°C 140 bar -200°C	British German American French	BS 1832 Grade A and 0 BS F125 (Types 1 and 3) DIN 3754 IT 400 DIN 3754 IT C DIN 3754 IT O ASTMF104-F112121 M8 NFT 48001 Cat. D		m³ ASTM Fuel A 5 hours 20°C 0-10% 8% ASTM Fuel B 5 hours 23°C 12% 5%
UKL®1000 KL°1000 UKL°1000 L	Top grade material based on UKL 3XA but reinforced with wire mesh for demanding and extreme services. Especially suitable and recommended for condition of fluctuating pressures and temperatures, i.e. when steam hammers might occur or in automotive applications. Composed of SBR binder and high grade chrysotile asbestos. Delivered with graphited surfaces. Colour: Graphite black.	Max. Temperature Max. Pressure	550°C 200 bar	however refer	forced materials		m³ for typical properties 8% 0%
UKL® Oilit 3XA	Top quality oil and petrol resistant material suitable for fuels, oils, solvents including aromatic and chlorinated hydrocarbons for high mechanical and thermal demand. Excellent resistance and compatibility for natural and town gas, water, steam, alkalines, mild acids and many other chemicals.  Composed of chrysotile asbestos and NBR binder. Also available in metallic Colour: Black.  † Do not retorque fasteners at cryogenic temperatures	Max. Temperature Max. Pressure Min. Temperature  (Indian Standard IS 2712 / 1998 : Gr. 0/1 & W/	500°C 130 bar -200°C	British German American French Approved by th for use with po	BS 1832 Grade A and O DIN 3754 IT O ASTM F104-F112120 M8 NFT 48001 Cat. D. ne Water Research Council otable water		m³ ASTM Fuel A 5 hours 20°C 0-10% 8% ASTM Fuel B 5 hours 23°C 8% 5%
UKL® Acidit Plus	High quality acid resistant material based on chrysotile asbestos and special binders compatible with strong organic and inorganic acids. Widely used in the chemical industry.  Colour: White	Max. Temperature Max. Pressure (Indian Standard IS 2712 / 1998 : Gr. A/1)	400°C 100 bar	British German American French	DIN 3754 IT S ASTM F104-F112000 NFT 48001 Cat. E.		2
UKL® 100 UKL® 100	High quality grade similar to UKL 3XA widely used in the petro-chemical industry. Especially suitable for steam, gas, water, alkalines and other non-aggressive media. Composed for chrysotile asbestos and SBR binder Colour : Grey  † Do not retorque fasteners at cryogenic temperatures	Max. Temperature Max. Pressure Min. Temperature  (Indian Standard IS 2712 / 1998 : Gr. W/1 & 0/2	510°C 100 bar -200°C	British German American French	BS 1832 Grade A and O DIN 3754 IT 400 ASTM F104-F112551M8 NFT 48001 Cat. D.		m³ ASTM Fuel A 5 hours 20°C 5-15% 8% ASTM Fuel B 5 hours 23°C 17% 5%
UKL® SOE	A Medium Grade Product for hydrocarbon service, fuels and oil solutions. Good resistance for medium pressure gases, water, steam, alkalines & acids. Colour: Black	Max. Temperature Max. Pressure (Indian Standard IS 2712 / 1998 : Gr. 0/1)	400°C 80 bar	German	DIN 3754 IT 0		m³ ASTM Fuel A
UKL® 200 UKL® 200	Good quality suitable for most applications of steam, gas, water, alkalines and other non-aggressive media under less demanding conditions. Composed of chrysotile asbestos fibre bonded with SBR.  Colour: Red/Brown.	Max. Temperature Max. Pressure (Indian Standard IS 2712 / 1998 : W/2)	400°C 40 bar	British German American	BS 1832 Grade B DIN 3754 IT 200 ASTM F104-F112750 M7		rm <sup>3</sup> ASTM Fuel A 5 hours 20°C 5-20% 8% ASTM Fuel B 5 hours 23°C 20% 5%
UKL® 80 UKL® 80 UK	Medium quality for general purpose use. Contains chrysotile asbestos fibre bonded with SBR. <b>Also available in metallic</b> Colour : Red/Brown	Max. Temperature Max. Pressure (Indian Standard IS 2712 / 1998 : Gr. W/3)	350°C 35 bar	British American	BS 1832 Grade B ASTM F104-F112700		
UKL® Style 20	Medium quality general purpose grade. Suitable for wide range of applications under less demanding conditions. Also available in metallic. Colour: Red/Brown.	Max. Temperature Max. Pressure (Indian Standard IS 2712 / 1998 : Gr. W/3	350°C 35 bar	British American	BS 1832 Grade B ASTM F104-F112700		0 40TM 0'10 5 1 - 45010
UKL® KLR - 232  UKL® KLR - 232  UKL® KLR - 232	A Medium Range General Purpose Gasket Jointing For Steam, Water and Gas Application. Colour : Red / Black	Max. Temperature Max. Pressure (Indian Standard IS 2712 / 1998 : Gr. W/3)	270°C 25 bar	_	_		- ACTM Oil 2



#### **Tolerances**

Nominal Sheet Size	Standa	rd	Reinfo	prced
	Width (mm)	Length (mm)	Width (mm)	Length (mm)
1.5 X 4.0 M	1510 to 1475	4100 to 3800	1500 to 1450	4100 to 3800
1.5 X 2.0 M	1510 to1475	2040 to 1975	1500 to 1450	2040 to 1975
1.5 X 1.5 M	1510 to 1475	1510 to 1475	1500 to 1450	1510 to 1475
1.5 X 1.0 M	1510 to 1475	1020 to 975	1500 to 1450	1020 to 975
Nominal Thicknes	SS		Tolerances	Maximum variation within one sheet.
Up to and including	0.5 mm	Plus o	r Minus 0.05 mm	0.05 mm
Over 0.5 mm, Up to	and including 1.0 mm	Plus o	r Minus 0.10 mm	0.10 mm
	and including 2.0 mm	Plus o	r Minus 0.15 mm	0.15 mm

Special Tolerances on request.

Over 2.0 mm

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Also available : **U**L Fluid Sealing Division: Graphite Sheets, Expanded PTFE sheets, Full Range of Cut gaskets.

Plus or Minus 0.20 mm

Spiral wound Gaskets, Metal Jacked Gaskets, Kammprofile Gaskets.

Non Asbestos Gland Packing.

Fluid Control Division: Piston Valves, Bellow Sealed Valves.

Steam Traps - Thermodynamic/Inverted Bucket/Bimetallic

0.20 mm

Thermostatic, Ball Float.

Strainers "Y " Type, Level Gauges-Reflex & Transparent. Condensate Recovery System, Pressure Reducing Station,

Hot Water Generation System.

In view of technical progress designs and dimensions are subject to change without notice.



#### **UNI KLINGER LIMITED**

(Fluid Sealing Division)

A joint venture of the NETERWALA group of companies and KLINGER AG. Switzerland.

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