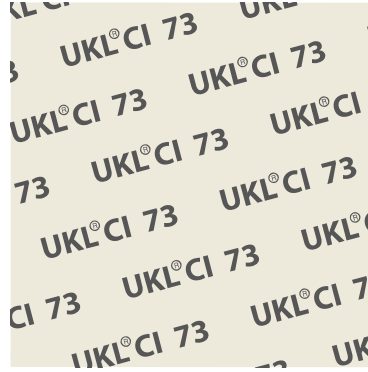
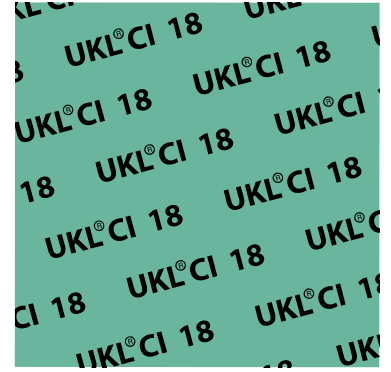
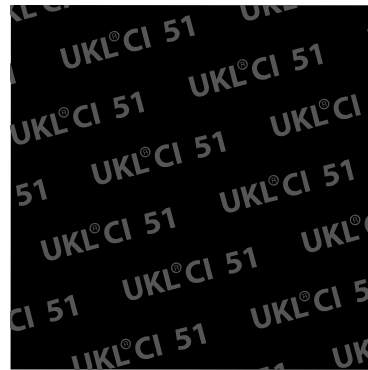
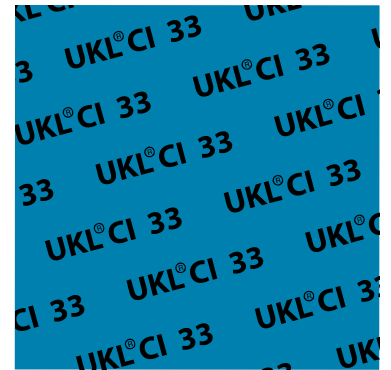




Uni Klinger -

Non Asbestos Compressed Gasket Sheets

Description		Operating Guidelines	Temp.*	Typical application	Typical properties	Typical values	Typical properties	Typical values
<div> <div>UKL® CI 18</div> <div> <div>UKL® CI 18</div> <div>UKL® CI 18</div> </div> </div> <div>Asbestos free universal gasket material for general applications.</div>	<div> <div>UKL® CI 18</div> <div>UKL® CI 18</div> </div>	<div> <div>Max. temperature</div> <div>Max. temperature for steam</div> <div>Max. pressure</div> </div>	<div> <div>200 Deg C</div> <div>150 Deg C</div> <div>50 Bar</div> </div>	<div> <div>Gasket material for liquids and gases. Good chemical resistance against water and oil. Resistant to refrigerants.</div> <div>Low gas leakage.</div> <div>A good product to wide range of industrial applications. Also available in metallic.</div> </div>	<div> <div>Minimum tensile strength N/mm2</div> <div>Density gm/cm3</div> <div>Compressibility %</div> <div>Recovery %</div> <div>Stress relaxation Mpa</div> <div>Gas leakage ml/min</div> </div>	<div> <div>ASTM F 152</div> <div>ASTM F 36 J</div> <div>ASTM F 36 J</div> <div>BS7531</div> <div>BS7531</div> </div>	<div> <div>Thickness increase %</div> <div>ASTM oil 3</div> <div>ASTM Fuel B</div> <div>Weight increase %</div> <div>ASTM oil 3</div> <div>ASTM Fuel B</div> <div>Ignition Loss % (max)</div> </div>	<div> <div>5 hrs 150 Deg C</div> <div>5 hrs 23 Deg C</div> <div>5 hrs 150 Deg C</div> <div>5 hrs 23 Deg C</div> <div>5 hrs 150 Deg C</div> <div>5 hrs 23 Deg C</div> </div>
<div> <div>UKL® CI 22</div> <div> <div>UKL® CI 22</div> <div>UKL® CI 22</div> </div> </div> <div>Asbestos free gasket material based on Aramid Fibre with NBR binder. Confirms to Grade Y as per BS 7531.</div>	<div> <div>UKL® CI 22</div> <div>UKL® CI 22</div> </div>	<div> <div>Max. temperature</div> <div>Max. temperature for steam</div> <div>Max. pressure</div> </div>	<div> <div>260 Deg C</div> <div>200 Deg C</div> <div>50 Bar</div> </div>	<div> <div>A premium quality product with good resistance to heat, hot oil and hydrocarbon applications.</div> <div>Resistant to acids and alkalis.</div> <div>A good product for industrial applications.</div> <div>Also available in metallic.</div> </div>	<div> <div>Minimum tensile strength N/mm2</div> <div>Density gm/cm3</div> <div>Compressibility %</div> <div>Recovery %</div> <div>Stress relaxation Mpa</div> <div>Gas leakage ml/min</div> </div>	<div> <div>ASTM F 152</div> <div>ASTM F 36 J</div> <div>ASTM F 36 J</div> <div>BS7531</div> <div>BS7531</div> </div>	<div> <div>Thickness increase %</div> <div>ASTM oil 3</div> <div>ASTM Fuel B</div> <div>Weight increase %</div> <div>ASTM oil 3</div> <div>ASTM Fuel B</div> <div>Ignition Loss % (max)</div> </div>	<div> <div>5 hrs 150 Deg C</div> <div>5 hrs 23 Deg C</div> <div>5 hrs 150 Deg C</div> <div>5 hrs 23 Deg C</div> </div>
<div> <div>UKL® CI 24</div> <div> <div>UKL® CI 24</div> <div>UKL® CI 24</div> </div> </div> <div>Asbestos free grade made from combination of synthetic fibers with NBR binder. Confirms to Grade Y as per BS 7531.</div>	<div> <div>UKL® CI 24</div> <div>UKL® CI 24</div> </div>	<div> <div>Max. temperature</div> <div>Max. temperature for steam</div> <div>Max. pressure</div> </div>	<div> <div>300 Deg C</div> <div>250 Deg C</div> <div>100 bar</div> </div>	<div> <div>A quality grade material with high thermal resistance and suitable for use with oils, water, gases, acids and alkalis.</div> <div>hydrocarbons & steam applications.</div> </div>	<div> <div>Minimum tensile strength N/mm2</div> <div>Density gm/cm3</div> <div>Compressibility %</div> <div>Recovery %</div> <div>Stress relaxation Mpa</div> <div>Gas leakage ml/min</div> </div>	<div> <div>ASTM F 152</div> <div>ASTM F 36 J</div> <div>ASTM F 36 J</div> <div>BS7531</div> <div>BS7531</div> </div>	<div> <div>Thickness increase %</div> <div>ASTM oil 3</div> <div>ASTM Fuel B</div> <div>Weight increase %</div> <div>ASTM oil 3</div> <div>ASTM Fuel B</div> <div>Ignition Loss % (max)</div> </div>	<div> <div>5 hrs 150 Deg C</div> <div>5 hrs 150 Deg C</div> </div>
<div> <div>UKL® CI 31</div> <div> <div>UKL® CI 31</div> <div>UKL® CI 31</div> </div> </div> <div>Asbestos free gasket material based on Aramid Fibre with NBR binder. Confirms to Grade Y as per BS 7531.</div>	<div> <div>UKL® CI 31</div> <div>UKL® CI 31</div> </div>	<div> <div>Max. temperature</div> <div>Max. temperature for steam</div> <div>Max. pressure</div> </div>	<div> <div>360 Deg C</div> <div>200 Deg C</div> <div>100 Bar</div> </div>	<div> <div>Gasket material for general use with good chemical and mechanical properties. Suitable for use with oils, water, gases, weak acids and alkalis.</div> <div>Recommended for OEM applications.</div> </div>	<div> <div>Minimum tensile strength N/mm2</div> <div>Density gm/cm3</div> <div>Compressibility %</div> <div>Recovery %</div> <div>Stress relaxation Mpa</div> <div>Gas leakage ml/min</div> </div>	<div> <div>ASTM F 152</div> <div>ASTM F 36 J</div> <div>ASTM F 36 J</div> <div>BS7531</div> <div>BS7531</div> </div>	<div> <div>Thickness increase %</div> <div>ASTM oil 3</div> <div>ASTM Fuel B</div> <div>Weight increase %</div> <div>ASTM oil 3</div> <div>ASTM Fuel B</div> <div>Ignition Loss % (max)</div> </div>	<div> <div>5 hrs 150 Deg C</div> <div>5 hrs 23 Deg C</div> </div>
<div> <div>UKL® CI 32</div> <div> <div>UKL® CI 32</div> <div>UKL® CI 32</div> </div> </div> <div>A quality grade Asbestos free material based on combination of Aramid fibers with NBR binder. Confirms to Grade X as per BS 7531.</div>	<div> <div>UKL® CI 32</div> <div>UKL® CI 32</div> </div>	<div> <div>Max. temperature</div> <div>Max. temperature for steam</div> <div>Max. pressure</div> </div>	<div> <div>300 Deg C</div> <div>280 Deg C</div> <div>130 Bar</div> </div>	<div> <div>A quality grade material suitable for use with oils, water, gases, weak acids and alkalis & steam applications.</div> <div>Also available in metallic.</div> </div>	<div> <div>Minimum tensile strength N/mm2</div> <div>Density gm/cm3</div> <div>Compressibility %</div> <div>Recovery %</div> <div>Stress relaxation Mpa</div> <div>Gas leakage ml/min</div> </div>	<div> <div>ASTM F 152</div> <div>ASTM F 36 J</div> <div>ASTM F 36 J</div> <div>BS7531</div> <div>BS7531</div> </div>	<div> <div>Thickness increase %</div> <div>ASTM oil 3</div> <div>ASTM Fuel B</div> <div>Weight increase %</div> <div>ASTM oil 3</div> <div>ASTM Fuel B</div> <div>Ignition Loss % (max)</div> </div>	<div> <div>5 hrs 150 Deg C</div> <div>5 hrs 150 Deg C</div> </div>
<div> <div>UKL® CI 33</div> <div> <div>UKL® CI 33</div> <div>UKL® CI 33</div> </div> </div> <div>Asbestos free gasket material based on Aramid Fibre with NBR binder. Confirms to Grade X as per BS 7531.</div>	<div> <div>UKL® CI 33</div> <div>UKL® CI 33</div> </div>	<div> <div>Max. temperature</div> <div>Max. temperature for steam</div> <div>Max. pressure</div> </div>	<div> <div>400 Deg C</div> <div>280 Deg C</div> <div>150 Bar</div> </div>	<div> <div>Gasket material with high thermal resistance. Good for general use. Suitable for use with oil, water, gases, weak acids, alkalis and hydrocarbons.</div> <div>Mainly recommended for steam applications.</div> </div>	<div> <div>Minimum tensile strength N/mm2</div> <div>Density gm/cm3</div> <div>Compressibility %</div> <div>Recovery %</div> <div>Stress relaxation Mpa</div> <div>Gas leakage ml/min</div> </div>	<div> <div>ASTM F 152</div> <div>ASTM F 36 J</div> <div>ASTM F 36 J</div> <div>BS7531</div> <div>BS7531</div> </div>	<div> <div>Thickness increase %</div> <div>ASTM oil 3</div> <div>ASTM Fuel B</div> <div>Weight increase %</div> <div>ASTM oil 3</div> <div>ASTM Fuel B</div> <div>Ignition Loss % (max)</div> </div>	<div> <div>5 hrs 150 Deg C</div> <div>5 hrs 23 Deg C</div> </div>
<div> <div>UKL® CI 35</div> <div> <div>UKL® CI 35</div> <div>UKL® CI 35</div> </div> </div> <div>Premium quality Asbestos free gasket based on Aramid Fibre with NBR binder. Confirms to Grade X as per BS 7531.</div>	<div> <div>UKL® CI 35</div> <div>UKL® CI 35</div> </div>	<div> <div>Max. temperature</div> <div>Max. temperature for steam</div> <div>Max. pressure</div> </div>	<div> <div>400 Deg C</div> <div>240 Deg C</div> <div>100 Bar</div> </div>	<div> <div>A Premium quality grade gasket material with good chemical & mechanical properties.</div> <div>Suitable for oil, fuels, hydrocarbon and refrigerants.</div> <div>Recommended for petrochemical industries and OEM.</div> <div>Also available in metallic.</div> </div>	<div> <div>Minimum tensile strength N/mm2</div> <div>Density gm/cm3</div> <div>Compressibility %</div> <div>Recovery %</div> <div>Stress relaxation Mpa</div> <div>Gas leakage ml/min</div> </div>	<div> <div>ASTM F 152</div> <div>ASTM F 36 J</div> <div>ASTM F 36 J</div> <div>BS7531</div> <div>BS7531</div> </div>	<div> <div>Thickness increase %</div> <div>ASTM oil 3</div> <div>ASTM Fuel B</div> <div>Weight increase %</div> <div>ASTM oil 3</div> <div>ASTM Fuel B</div> <div>Ignition Loss % (max)</div> </div>	<div> <div>5 hrs 150 Deg C</div> <div>5 hrs 23 Deg C</div> </div>
<div> <div>UKL® CI 51</div> <div> <div>UKL® CI 51</div> <div>UKL® CI 51</div> </div> </div> <div>Asbestos free gasket material based on carbon Fibre with NBR binder. Confirms to Grade X as per BS 7531.</div>	<div> <div>UKL® CI 51</div> <div>UKL® CI 51</div> </div>	<div> <div>Max. temperature</div> <div>Max. temperature for steam</div> <div>Max. pressure</div> </div>	<div> <div>400 Deg C</div> <div>250 Deg C</div> <div>100 Bar</div> </div>	<div> <div>Material with excellent resistance to steam and strongly alkaline media. Also suitable for use in acids and alkalis.</div> <div>Recommended in chemical and petrochemical industries & OEM.</div> </div>	<div> <div>Minimum tensile strength N/mm2</div> <div>Density gm/cm3</div> <div>Compressibility %</div> <div>Recovery %</div> <div>Stress relaxation Mpa</div> <div>Gas leakage ml/min</div> </div>	<div> <div>ASTM F 152</div> <div>ASTM F 36 J</div> <div>ASTM F 36 J</div> <div>BS7531</div> <div>BS7531</div> </div>	<div> <div>Thickness increase %</div> <div>ASTM oil 3</div> <div>ASTM Fuel B</div> <div>Weight increase %</div> <div>ASTM oil 3</div> <div>ASTM Fuel B</div> <div>Ignition Loss % (max)</div> </div>	<div> <div>5 hrs 150 Deg C</div> <div>5 hrs 23 Deg C</div> </div>
<div> <div>UKL® CI 73</div> <div> <div>UKL® CI 73</div> <div>UKL® CI 73</div> </div> </div> <div>Asbestos free gasket material based on Aramid Fibre with synthetic elastomer binder.</div>	<div> <div>UKL® CI 73</div> <div>UKL® CI 73</div> </div>	<div> <div>Max. temperature</div> <div>Max. temperature for steam</div> <div>Max. pressure</div> </div>	<div> <div>210 Deg C</div> <div>180 Deg C</div> <div>100 Bar</div> </div>	<div> <div>Gasket material with Good chemical resistance.</div> <div>Designed for use with many acids and corrosive media. Largely used in chemical industry.</div> </div>	<div> <div>Minimum tensile strength N/mm2</div> <div>Density gm/cm3</div> <div>Compressibility %</div> <div>Recovery %</div> <div>Stress relaxation Mpa</div> <div>Gas leakage ml/min</div> </div>	<div> <div>ASTM F 152</div> <div>ASTM F 36 J</div> <div>ASTM F 36 J</div> <div>BS7531</div> <div>BS7531</div> </div>	<div> <div>Thickness increase %</div> <div>H.S0, 99%</div> <div>H.S0, 65%</div> <div>Ignition Loss % (max)</div> </div>	<div> <div>18 hrs 123 Deg C</div> <div>48 hrs 123 Deg C</div> </div>
<div> <div>UKL® CI 1000 3XA</div> <div> <div>UKL® CI 1000 3XA</div> <div>UKL® CI 1000 3XA</div> </div> </div> <div>Top grade material reinforced with wire mesh made up from unique formulation of high temperature non-asbestos fibre including Aramid fibre and high quality nitrile rubber with graphite surface.</div>	<div> <div>UKL® CI 1000 3XA</div> <div>UKL® CI 1000 3XA</div> </div>	<div> <div>Max. temperature</div> <div>Max. temperature for steam</div> <div>Max. pressure</div> </div>	<div> <div>500 Deg C</div> <div>480 Deg C</div> <div>170 Bar</div> </div>	<div> <div>This grade has excellent resistance to steam, acids, alkali and many other chemicals. Most suitable for demanding & extreme services especially for fluctuating temperatures and pressures.</div> </div>	<div> <div>Minimum tensile strength N/mm2</div> <div>Density gm/cm3</div> <div>Compressibility %</div> <div>Recovery %</div> <div>Stress relaxation Mpa</div> <div>Gas leakage ml/min</div> </div>	<div> <div>ASTM F 152</div> <div>ASTM F 36 J</div> <div>ASTM F 36 J</div> <div>BS7531</div> <div>BS7531</div> </div>	<div> <div>Thickness increase %</div> <div>ASTM oil 3</div> <div>ASTM Fuel B</div> <div>Weight increase %</div> <div>ASTM oil 3</div> <div>ASTM Fuel B</div> <div>Ignition Loss % (max)</div> </div>	<div> <div>5 hrs 150 Deg C</div> <div>5 hrs 150 Deg C</div> </div>

*The information in this chart should only be used as a general guide to the selection of a suitable material. Maximum temperature & pressure capabilities do not necessarily operate together for all gasket thickness and service conditions. For wire reinforced materials Gas Leakage / Permeability : 3 ml/min.



UNI KLINGER LIMITED

Tolerances

Nominal Sheet Size	Standard		Reinforced	
	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 to 1475	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 Thickness	Tolerances	Maximum variation within one sheet.
Up to and including 0.5 mm	Plus or Minus 0.05 mm	0.05 mm
Over 0.5 mm, Up to and including 1.0 mm	Plus or Minus 0.10 mm	0.10 mm
Over 1.0 mm, Up to and including 2.0 mm	Plus or Minus 0.15 mm	0.15 mm
Over 2.0 mm	Plus or Minus 0.20 mm	0.20 mm

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Also available : UKL Fluid Sealing Division:

Full Range of Cut gaskets, Spiral wound Gaskets, Metal Jacked Gaskets, Kammpoile Gaskets, Non Asbestos Gland Packing, Expanded PTFE sheets, Graphite Sheets, Graphite Roll & Slit Coil.

Fluid Control Division:

*Piston Valves, Bellow Sealed Valves.
Steam Traps - Thermodynamic/Inverted Bucket/Bimetallic
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)

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