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Complete Non Asbestos Solution Manfactured in India for the World



| | Description | Operating Guidelines | Temp.* | Typical application | Typical properties | | Typical values | Typical properties | | Typical valu |
|--|--|---|---|--|---|---|--|---|-----------------------------------|--------------|
| KL®CI 4243 | Gasket material made from Aramid | Max. temperature Max. temperature for steam | 250 Deg C 160 Deg C | A quality product with good resistance to water, oil and gases | Minimum tensile strength N/mm2 Density gm/cm3 | ASTM F 152 | 10 1.65 | Thickness increase % ASTM oil 3 | 5 hrs 150 Deg C | 4 |
| UKL ^o CI 4243 UKL ^o CI 4243 | fibers and elastomer binder suitable | Max. pressure | 50 Bar | A good product in industries | Compressibility % | ASTM F 36 J / BS 7531 | 12 | ASTM Fuel B | 5 hrs 23 Deg C | 6 |
| UKL ² CI 4243 | for general Complies to Grade Y specifications as per BS 7531. | wax. procedio | oo bar | for general applications. | Recovery % | ASTM F 36 J | 50 | Hot compression test Thickness Decrease %(max) | 23 Deg C | 15 |
| 43 UKL [®] CI ⁴²⁴³ UKL [®] CI ⁴²⁴³ | specifications as per bo 1551. | | | Tor gorioral approacions. | Stress relaxation Mpa | BS7531 | 22 | THICKINESS Decrease %(ITIAX) | 200 Deg C | 15 22 |
| | | | | | Gas leakage ml/min | BS7531 | 1.0 | Ignition Loss % (max) | 200 Dtg 0 | 30 |
| (L [®] CI 4300 | Gasket material made from Aramid fibers | Max. temperature | 250 Deg C | Gasket material suitable for resistant | Minimum tensile strength N/mm2 | ASTM F 152 | 9 | Thickness increase % | | |
| | with NBR Binder Complies to Grade Y | Max. temperature for steam | 200 Deg C | to hot water, hot oil. Good chemical resistance | Density gm/cm3 | | 1.60 | ASTM oil 3 ASTM Fuel B | 5 hrs 150 Deg C 5 hrs 23 Deg C | 5 |
| CI 4300 | specifications as per BS 7531 | Max. pressure | 50 Bar | A good product to wide range of industrial | Compressibility % | ASTM F 36 J / BS 7531 | 14 | Hot compression test | o ilis 25 Dey C | 3 |
| 0 UKL°CI 4300 | • | | | applications. | Recovery % | ASTM F 36 J | 50 | Thickness Decrease %(max) | 23 Deg C | 10 |
| 00 UKL CI 4300 00 UKL CI 4300 | | | | | Stress relaxation Mpa | BS7531 | 23 | | 200 Deg C | 22 |
| | | | | | Gas leakage ml/min | BS7531 | 1.0 | Ignition Loss % (max) | | 35 |
| VI® CL 4 4 0 4 | Universal Gasket material made from | Max. temperature | 400 Deg C | Gasket material for with good chemical | Minimum tensile strength N/mm2 | ASTM F 152 | 8 | Thickness increase % | 51 450 D 0 | _ |
| KL® CI 4401 | Aramid fibers with NBR Binder. | Max. temperature for steam | 230 Deg C | resistance and excellent sealability | Density gm/cm3 | | 1.8 | ASTM oil 3 ASTM Fuel B | 5 hrs 150 Deg C 5 hrs 23 Deg C | 5 10 |
| - 4401 | | Max. pressure | 100 Bar | A good product to wide range of | Compressibility % | ASTM F 36 J / BS 7531 | 7 | Hot compression test | Jilis 25 Dey C | 10 |
| 401 UKL CI 4401 401 UKL CI 4401 | | • | | industrial applications. | Recovery % | ASTM F 36 J | 50 | Thickness Decrease %(max) | 23 Deg C | 14 |
| | | | | maderial approactorie. | Stress relaxation Mpa | BS7531 | 20 | memore zerodes symany | 300 Deg C | 17 |
| | | | | | Gas leakage ml/min | BS7531 | 1.0 | Ignition Loss % (max) | v | 35 |
| | A Universal material based on combination of | Max. temperature | 350 Deg C | Gasket material for general use with good chemical | Minimum tensile strenath N/mm2 | ASTM F 152 | 12 | Thickness increase % | | |
| KL®CI 4400 | A Universal material based on combination of Aramid fibers with NBR binder. Complies to | Max. temperature for steam | 200 Deg C | and mechanical properties. Suitable for use with | Density gm/cm3 | NOTHER TOL | 1.60 | ASTM oil 3 | 5 hrs 150 Deg C | 3 |
| | Grade Y specifications as per BS 7531. | Max. pressure | 100 Bar | oils, water, gases, weak acids, alkalies and | Compressibility % | ASTM F 36 J / BS 7531 | 11 | ASTM Fuel B | 5 hrs 23 Deg C | 5 |
| 400 UKL [®] CI 4400 400 UKL [®] CI 4400 | • | | | hydro carbons, lubricants & refrigerants | Recovery % | ASTM F 36 J | 55 | Hot compression test | 22 Dog C | 10 |
| OSLAGOO UKL C. | | | | Recommended for OEM applications. | Stress relaxation Mpa | BS7531 | 25 | Thickness Decrease %(max) | 23 Deg C 300 Deg C | 10 20 |
| | | | | | Gas leakage ml/min | BS7531 | 1.0 | Ignition Loss % (max) | ouu beg u | 20 35 |
| | | | | | | | | | | აა |
| KL [®] CI 4430 | An Optimum combination of Aramid fibers | Max. temperature | 400 Deg C | A Premium quality grade gasket material with | Minimum tensile strength N/mm2 | ASTM F 152 | 9 | Thickness increase % ASTM oil 3 | 5 hrs 150 Deg C | 3 |
| | with NBR Binder. Complies to Grade X | Max. temperature for steam | 240 Deg C | good chemical & mechanical properties. | Density gm/cm3 | ASTM F 36 J / BS 7531 | 1.80 9 | ASTM Fuel B | 5 hrs 23 Deg C | 5 5 |
| °C\ 4430 | specifications as per BS 7531. | Max. pressure | 100 Bar | Suitable for oil, water, fuels, hydrocarbon. | Compressibility % | ASTM F 36 J / BS 753 I | <i>55</i> | Hot compression test | | |
| 0 UKL CI 4430 | | | | Outstanding stress relaxation with resistant to | Recovery % | BS7531 | 29 | Thickness Decrease %(max) | 23 Deg C | 8 |
| O UKL® CI 4430 | | | | water & steam. Recommended for petrochemical | Stress relaxation Mpa | BS7531 | 1.0 | | 300 Deg C | 11 |
| | | | | industries and OEM. | Gas leakage ml/min | DOTOOT | 1.0 | Ignition Loss % (max) | | 35 |
| KL [®] CI 4408 | An optimum combination of Aramid fibers | Max. temperature | 400 Deg C | A Premium quality grade gasket material with | Minimum tensile strength N/mm2 | ASTM F 152 | 12 | Thickness increase % | E has 150 De :: 0 | - |
| NL CI 4400 | with NBR Binder, very robust because of | Max. temperature for steam | 250 Deg C | good chemical & mechanical properties. | Density gm/cm3 | | 2.0 | ASTM oil 3 ASTM Fuel B | 5 hrs 150 Deg C 5 hrs 23 Deg C | 5 5 |
| C1 1408 | wire reinforcement. | Max. pressure | 100 Bar | Suitable for oil, fuels, hydrocarbon and steam | Compressibility % | ASTM F 36 J / BS 7531 | 9 | Hot compression test | o ilis zo bey c | j. |
| Q UKLECI TINIO CI 4408 | | | | application. Recommended for pulsating | Recovery % | ASTM F 36 J | 55 | Thickness Decrease %(max) | 23 Deg C | 8 |
| 1408 UKE - | | | | applications in petrochemical | Stress relaxation Mpa | BS7531 | 29 | , , | 300 Deg C | 17 |
| | | | | industries and OEM. | Gas leakage ml/min | | 3.0 | Ignition Loss % (max) | - | 35 |
| KL® CI 4500 | With a premium quality grade non asbestos | Max. temperature | 400 Deg C | Material with excellent resistance to steam and | Minimum tensile strength N/mm2 | ASTM F 152 | 10 | Thickness increase % | | |
| | gasket material based carbon fiber and NBR | Max. temperature for steam | 250 Deg C | strongly alkaline media. Also suitable for use in | Density gm/cm3 | | 1.60 | ASTM oil 3 ASTM Fuel B | 5 hrs 150 Deg C | 3 |
| 1500 | binder. Complies to Grade X specifications as | Max. pressure | 100 Bar | acids and alkalis, oils and gases. | Compressibility % | ASTM F 36 J / BS 7531 | 11 | | 5 hrs 23 Deg C | 5 |
| 00 UKL [©] CI 4500 | per BS 7531. | | | Recommended in chemical and petrochemical | Recovery % | ASTM F 36 J | 55 | Hot compression test Thickness Decrease %(max) | 23 Deg C | 10 |
| 500 UKL [©] CI ⁴⁵⁰⁰ UKL [©] CI 4500 | | | | industries & OEM. | Stress relaxation Mpa | BS7531 | 29 | THICKIESS DECIEASE %(IIIAX) | 300 Deg C | 10 15 |
| | | | | | Gas leakage ml/min | BS7531 | 1.0 | Ignition Loss % (max) | ooo bog o | 30 |
| VI® CI 0300 | Good quality grade non asbestos gasket | Max. temperature | 210 Deg C | Gasket material with Excellent chemical | Minimum tensile strength N/mm2 | ASTM F 152 | 10 | Thickness increase % 96% | % H2SO4 & 65% H2SO4 | |
| KL®CI 8200 | material based on Aramid & Glass | Max. temperature for steam | 150 Deg C | resistance. Designed for use with many | Density gm/cm3 | | 1.65 | ASTM oil 3 | 5 hrs 150 Deg C | 6 |
| 0519700 | fibers bonded with special acid-resistant | Max. pressure | 80 Bar | acids and corrosive media, Largely used | Compressibility % | ASTM F 36 J / BS 7531 | 8 | ASTM Fuel B | 5 hrs 23 Deg C | 6 |
| 0 UKL° CI 8200 | elastomers. | | | in chemical industry. | Recovery % | ASTM F 36 J | 50 | Hot compression test | 22 Dog C | 7 |
| -0.51 | | | | | Stress relaxation Mpa | BS7531 | 20 | Thickness Decrease %(max) | 23 Deg C 200 Deg C | / 15 |
| | | | | | Gas leakage ml/min | BS7531 | 1.0 | Ignition Loss % (max) | 200 Dog 0 | 15 35 |
| | A Pure expanded graphite foil manufactured | Min. temperature | -240 Deg C | Pure Graphite has excellent chemical | Purity % | | 98 | | | |
| I/I 8 <i>C</i> C | | Max. temperature for steam | 460 Deg C | resistance & thermal properties & is | Density gm/cm3 | | 1.0 | | | |
| KL® GS | from purified natural Graphite flakes. UKL GS | | 30 Bar | extensively used in Automobile, Chemical, | Compressibility % | ASTM F 36 | 40 | | | |
| KL® GS | feature high dependability, even under | Max. pressure | ou bai | | Recovery % | ASTM F 36 | 10 | | | |
| KL® GS | | | 30 Dai | Oil & Gas, Petrochemical and steel | necovery 10 | | | | | |
| KL® GS | feature high dependability, even under | | 30 Dai | industries. Application includes innumerable | Gas leakage ml/min | DIN3535/6 | 1.0 | | | |
| KL° GS | feature high dependability, even under | | SU BAI | | | DIN3535/6 | 1.0 50 | | | |
| | feature high dependability, even under demanding operating conditions. A Multi-layered graphite sealing sheet with | | -240 Deg C | industries. Application includes innumerable gases & fluids. Also available high purity graphite material. UKL GSL has an excellent Chemical resistance & | Gas leakage ml/min Leachable chloride content (ppm) max Purity % | DIN3535/6 | 50 98 | | | |
| | feature high dependability, even under demanding operating conditions. A Multi-layered graphite sealing sheet with high strength made of 0.5 mm thickness | Max. pressure Min. temperature Max. temperature for steam | -240 Deg C 460 Deg C | industries. Application includes innumerable gases & fluids. Also available high purity graphite material. UKL GSL has an excellent Chemical resistance & Thermal properties, it is extensively used in | Gas leakage ml/min Leachable chloride content (ppm) max Purity % Density gm/cm3 | · | 98 1.0 | | | |
| | feature high dependability, even under demanding operating conditions. A Multi-layered graphite sealing sheet with high strength made of 0.5 mm thickness layers of high purity graphite foil and | Max. pressure Min. temperature | -240 Deg C | industries. Application includes innumerable gases & fluids. Also available high purity graphite material. UKL GSL has an excellent Chemical resistance & Thermal properties. it is extensively used in Petrochemical, Steel, Chemical and Automobile | Gas leakage ml/min Leachable chloride content (ppm) max Purity % Density gm/cm3 Compressibility % | ASTM F 36 | 98 1.0 40 | | | |
| | feature high dependability, even under demanding operating conditions. A Multi-layered graphite sealing sheet with high strength made of 0.5 mm thickness layers of high purity graphite foil and stainless steel foil of 0.05 mm | Max. pressure Min. temperature Max. temperature for steam | -240 Deg C 460 Deg C | industries. Application includes innumerable gases & fluids. Also available high purity graphite material. UKL GSL has an excellent Chemical resistance & Thermal properties, it is extensively used in | Gas leakage ml/min Leachable chloride content (ppm) max Purity % Density gm/cm3 Compressibility % Recovery % | · | 98 1.0 40 10 | | | |
| | feature high dependability, even under demanding operating conditions. A Multi-layered graphite sealing sheet with high strength made of 0.5 mm thickness layers of high purity graphite foil and | Max. pressure Min. temperature Max. temperature for steam | -240 Deg C 460 Deg C | industries. Application includes innumerable gases & fluids. Also available high purity graphite material. UKL GSL has an excellent Chemical resistance & Thermal properties. it is extensively used in Petrochemical, Steel, Chemical and Automobile industries for various applications. Tanged | Gas leakage ml/min Leachable chloride content (ppm) max Purity % Density gm/cm3 Compressibility % Recovery % Gas leakage ml/min | ASTM F 36 | 98 1.0 40 10 3.0 | | | |
| KL® GSL/GPS | feature high dependability, even under demanding operating conditions. A Multi-layered graphite sealing sheet with high strength made of 0.5 mm thickness layers of high purity graphite foil and stainless steel foil of 0.05 mm or 0.1 mm thickness. | Max. pressure Min. temperature Max. temperature for steam Max. pressure | -240 Deg C 460 Deg C 140 Bar | industries. Application includes innumerable gases & fluids. Also available high purity graphite material. UKL GSL has an excellent Chemical resistance & Thermal properties. it is extensively used in Petrochemical, Steel, Chemical and Automobile industries for various applications. Tanged Stainless Steel Reinforcement available in UKL GPS. | Gas leakage ml/min Leachable chloride content (ppm) max Purity % Density gm/cm3 Compressibility % Recovery % Gas leakage ml/min Sulphur content (ppm) max | ASTM F 36 ASTM F 36 | 98 1.0 40 10 3.0 1200 | | | |
| KL® GSL/GPS KL® Softchem | feature high dependability, even under demanding operating conditions. A Multi-layered graphite sealing sheet with high strength made of 0.5 mm thickness layers of high purity graphite foil and stainless steel foil of 0.05 mm or 0.1 mm thickness. Unisil soft-chem is a 100% pure expanded | Max. pressure Min. temperature Max. temperature for steam Max. pressure Min. temperature | -240 Deg C 460 Deg C 140 Bar | industries. Application includes innumerable gases & fluids. Also available high purity graphite material. UKL GSL has an excellent Chemical resistance & Thermal properties. it is extensively used in Petrochemical, Steel, Chemical and Automobile industries for various applications. Tanged Stainless Steel Reinforcement available in | Gas leakage ml/min Leachable chloride content (ppm) max Purity % Density gm/cm3 Compressibility % Recovery % Gas leakage ml/min Sulphur content (ppm) max Minimum tensile strength N/mm2 | ASTM F 36 | 98 1.0 40 10 3.0 | | | |
| KL® GSL/GPS KL® Softchem | feature high dependability, even under demanding operating conditions. A Multi-layered graphite sealing sheet with high strength made of 0.5 mm thickness layers of high purity graphite foil and stainless steel foil of 0.05 mm or 0.1 mm thickness. Unisil soft-chem is a 100% pure expanded Material manufactured with special process that preduces wifern and highly fields to the strength and the s | Min. temperature Max. temperature for steam Max. pressure Min. temperature Max. temperature Max. temperature for steam | -240 Deg C 460 Deg C 140 Bar -240 Deg C 260 Deg C | industries. Application includes innumerable gases & fluids. Also available high purity graphite material. UKL GSL has an excellent Chemical resistance & Thermal properties. it is extensively used in Petrochemical, Steel, Chemical and Automobile industries for various applications. Tanged Stainless Steel Reinforcement available in UKL GPS. Unisil soft-chem is a asbestos free material and meets the FDA requirements. Unisil softchem possesses universal resistance against common chemicals, | Gas leakage ml/min Leachable chloride content (ppm) max Purity % Density gm/cm3 Compressibility % Recovery % Gas leakage ml/min Sulphur content (ppm) max Minimum tensile strength N/mm2 Density gm/cm3 | ASTM F 36 ASTM F 36 | 98 1.0 40 10 3.0 1200 | | | |
| KL° GSL/GPS KL° Softchem | feature high dependability, even under demanding operating conditions. A Multi-layered graphite sealing sheet with high strength made of 0.5 mm thickness layers of high purity graphite foil and stainless steel foil of 0.05 mm or 0.1 mm thickness. Unisil soft-chem is a 100% pure expanded Material manufactured with special process that preduces wifern and highly fields to the strength and the s | Max. pressure Min. temperature Max. temperature for steam Max. pressure Min. temperature | -240 Deg C 460 Deg C 140 Bar | industries. Application includes innumerable gases & fluids. Also available high purity graphite material. UKL GSL has an excellent Chemical resistance & Thermal properties. it is extensively used in Petrochemical, Steel, Chemical and Automobile industries for various applications. Tanged Stainless Steel Reinforcement available in UKL GPS. Unisil soft-chem is a asbestos free material and meets the FDA requirements. Unisil softchem possesses universal resistance against common chemicals, except melted alkali metal. Iluorine at liquid and | Gas leakage ml/min Leachable chloride content (ppm) max Purity % Density gm/cm3 Compressibility % Recovery % Gas leakage ml/min Sulphur content (ppm) max Minimum tensile strength N/mm2 Density gm/cm3 Compressibility % | ASTM F 36 ASTM F 36 DIN 52910 ASTM F36 ASTM F36 | 98 1.0 40 10 3.0 1200 25 0.85 | | | |
| KL® GSL/GPS | feature high dependability, even under demanding operating conditions. A Multi-layered graphite sealing sheet with high strength made of 0.5 mm thickness layers of high purity graphite foil and stainless steel foil of 0.05 mm or 0.1 mm thickness. Unisil soft-chem is a 100% pure expanded Material manufactured with special process that preduces wifern and highly fields to the strength and the s | Min. temperature Max. temperature for steam Max. pressure Min. temperature Max. temperature Max. temperature for steam | -240 Deg C 460 Deg C 140 Bar -240 Deg C 260 Deg C | industries. Application includes innumerable gases & fluids. Also available high purity graphite material. UKL GSL has an excellent Chemical resistance & Thermal properties. it is extensively used in Petrochemical, Steel, Chemical and Automobile industries for various applications. Tanged Stainless Steel Reinforcement available in UKL GPS. Unisil soft-chem is a asbestos free material and meets the FDA requirements. Unisil softchem possesses universal resistance against common chemicals, | Gas leakage ml/min Leachable chloride content (ppm) max Purity % Density gm/cm3 Compressibility % Recovery % Gas leakage ml/min Sulphur content (ppm) max Minimum tensile strength N/mm2 Density gm/cm3 | ASTM F 36 ASTM F 36 DIN 52910 ASTM F36 | 98 1.0 40 10 3.0 1200 25 0.85 60 | | | |

^{*}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.