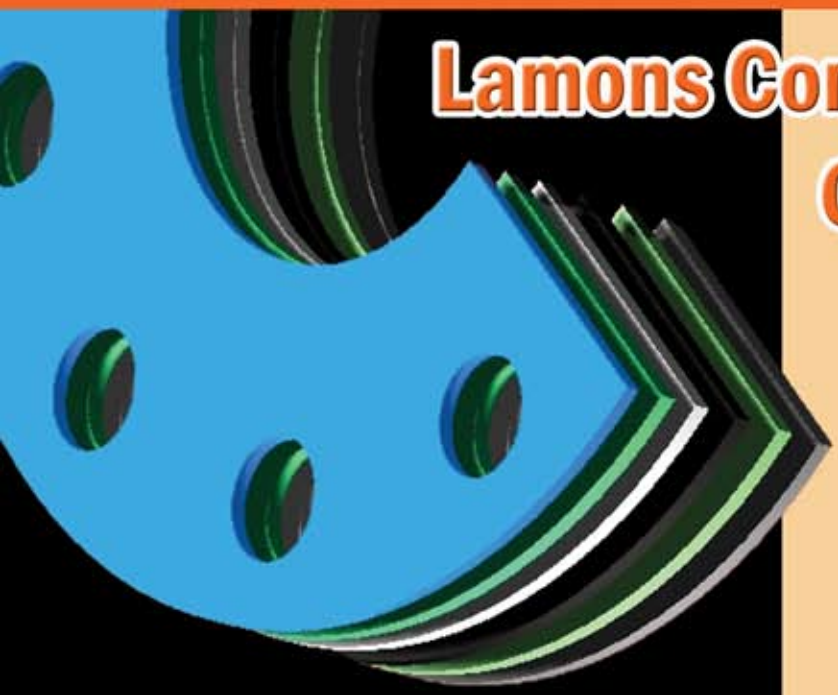
LAMONS®

Sealing Global - Servicing Local

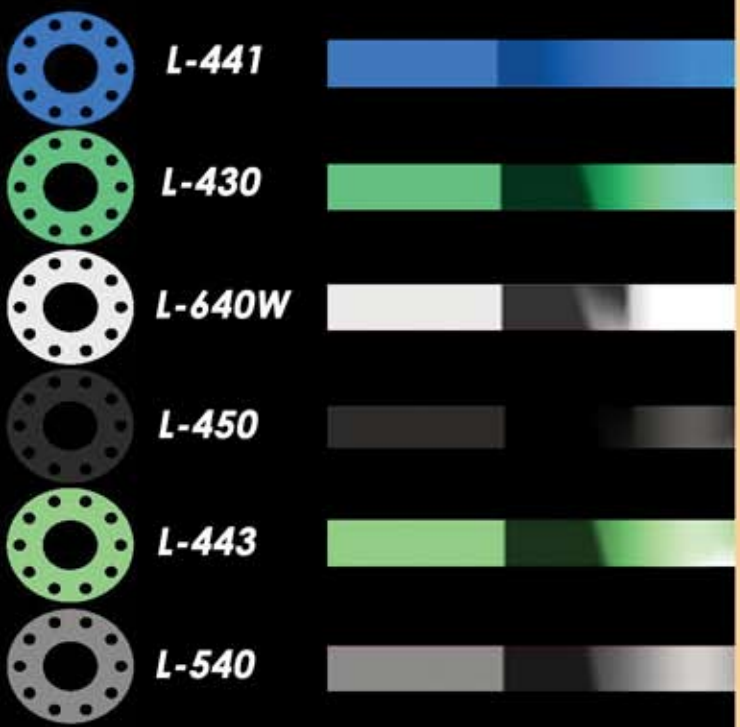


# Lamons Compressed Sheet Gasket Material

*"Premium Sheet Gasket Materials"*

Lamons offers a complete line of compressed sheet materials that are engineered to meet the most demanding standards. Formulated with premium raw materials and produced with a robust calendaring process, these materials offer unparalleled strength, stability, flexibility and cutting characteristics.

Available in 6 different options, Lamons compressed sheet material offers superior sealing characteristics and can be cut to fit most applications.

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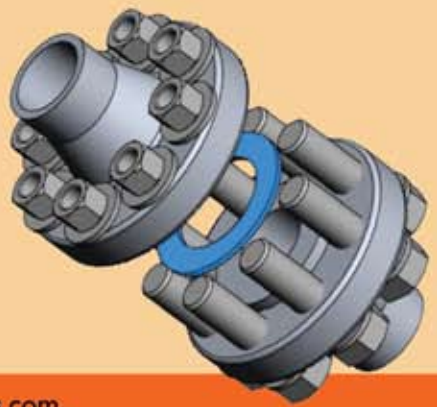
*For assistance with Lamons Compressed Sheet Material, contact Lamons Engineering: Engineering@lamonsgasket.com*



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# Compressed Sheet Gasket Materials

| | | L-441 | L-430 | L-640W | L-450 | L-443 | L-540 |
|---|---|---|---|---|---|---|---|
| | | A general service sheet gasket material with a wide range of application potential. Manufactured with a formulation of high quality fillers, premium aramid fibers and nitrile binder, L-441 is the workhorse of the Lamon's gasket line | A general purpose sheet gasket material with superior mechanical properties. Constructed with premium aramid fiber and nitrile binder, L-430 is a general service sheet material with a compatibility to many services | A premium compressed sheet gasket material comprised of an engineered blend of aramid fiber, high quality fillers and SBR binder | A premium sheet material utilizing carbon fiber and graphite as reinforcing agents. L-450 is designed to perform in extreme temperatures and pressures. Standardization and consolidation of many other gasket materials can be achieved by the use of L-450 | A compressed gasket material with a reinforcement structure consisting of glass and aramid fibers. Excellent resistance to steam can be realized due to the addition of glass fiber. A premium nitrile binder is utilized to achieve resilience and additional chemical resistance. | A compressed sheet gasket material utilizing a Neoprene binder. This material has an inherent resistance to oil and petroleum based solvents. An excellent choice for services containing Freon or other refrigerants. |
| **Applications and Characteristics** | | *Excellent sealability, excellent chemical resistance, good creep relaxation minimization and great recovery* | *Used successfully in mild organic and inorganic acids, diluted alkalis, general chemicals, synthetic oils, petroleum and petroleum derivatives* | *Good anti-stick properties, good steam resistance, water, mild acids and alkalis, inert gases* | *Good anti-stick properties, good steam resistance, water, stronger acids and alkalis, inert gases, general chemicals , oils and fuels, petroleum and petroleum derivatives* | *L-443 can be applied to a variety of process media including steam, general chemicals, petroleum and petroleum derivatives. It possesses excellent creep relaxation minimization and good mechanical properties.* | *L-540 is chemically stable and possesses good mechanical properties. It is an excellent choice for water, saturated steam, refrigerants, oils and fuels.* |
| **Creep relaxation** | ASTM F-38B (1/32") | 20% | 25% | 20% | 20% | 20% | 25% |
| **Sealability** | ASTM F-37A (1/32") | .25 ml/hr. | .25 ml/hr. | .20 ml/hr. | .30 ml/hr. | .25 ml/hr. | .20 ml/hr. |
| **Compressability** | ASTM F-36J | 7-17% | 7-17% | 7-17% | 7-17% | 7-17% | 7-17% |
| **Recovery** | ASTM F-36J | 50% min. | 50% min. | 50% min. | 50% min. | 50% min. | 50% min. |
| **Tensile Strength** | ASTM F-152 (cross-grain) | 2000 psi typical | 1500 psi typical | 1600 psi typical | 1500 psi typical | 1500 psi typical | 1600 psi typical |
| **Change in Tensile** | ASTM F-152 after immersion in ASTM oil #3 @ 5hrs./300F (149C) | 25% max. decrease | 35% max. decrease | 50% max. decrease | 25% max. decrease | 25% max. decrease | 50% max. decrease |
| **Weight Increase** | ASTM F-146 after immersion in fuel B @ 5hrs./73F (23C) | 15% Maximum | 15% Maximum | 25% Maximum | 15% Maximum | 15% Maximum | 20% Maximum |
| | ASTM F-146 after immersion in fluid: | | | | | | |
| | ASTM Oil 1, 5hrs./300F (149C) | 0-5% | 0-5% | 0-15% | 0-5% | 0-5% | 0-10% |
| | ASTM Oil 3, 5hrs./300F (149C) | 0-5% | 0-5% | 20-35% | 0-5% | 0-5% | 15-25% |
| | ASTM Fuel A, 5hrs./73F (23C) | 0-5% | 0-5% | 0-15% | 0-5% | 0-5% | 0-10% |
| **Thickness Increase** | ASTM Fuel B, 5hres./73F (23C) | 0-7% | 0-7% | 15-25% | 0-7% | 0-5% | 10-20% |
| **Standard Line Callout** | ASTM F-104 | F712121B3E22M5 | F712111E12M4 | F712541B3E45M5 | F712122B3E22M5 | F712132B3E21M5 | F712332BE4E45M5 |
| **Leachable Chlorides** | FSA Method (Typical) | 100ppm | 200ppm | 200ppm | 200ppm | 200ppm | 500ppm |
| **Density** | | 112 lbs/ft^3 (1.8g/cc) | 112 lbs/ft^3 (1.8g/cc) | 112 lbs/ft^3 (1.8g/cc) | 87 lbs/ft^3 (1.4g/cc) | 97 lbs/ft^3 (1.55g/cc) | 106 lbs/ft^3 (1.7g/cc) |
| **Color** | | Blue | White/Green | White/Black | Black | White/Green | White/Black |
| **Temperature Range** | | **-40°F - 400°F** | **-40°F - 400°F** | **-40°F - 400°F** | **-40°F - 650°F** | **-40°F - 500°F** | **-40°F - 400°F** |

Typical test data - Not for specification - The physical and chemical properties of Lamons' compressed sheet gasket material represent typical, average values obtained in accordance with accepted test methods and are subject to normal manufacturing variation and tolerances This information is provided as a technical resource and is subject to change. Check with Lamons' engineering for application specific recommendation. Temperature and pressure recommendations are not to be used in conjunction with each other.