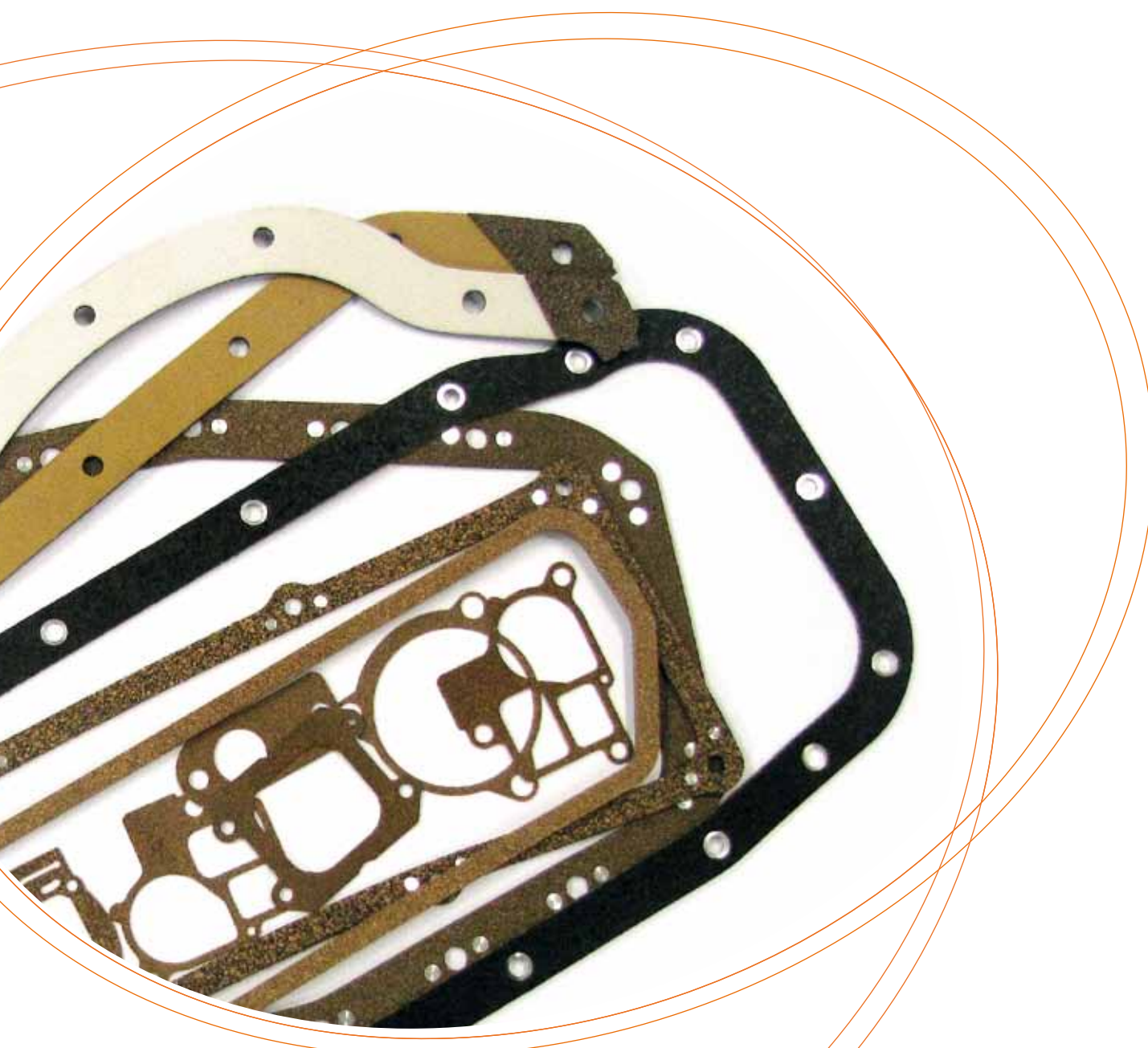


TECHSEAL

REINVENTING
TECHNOLOGY FOR
SEALING APPLICATION



Reinventing how cork engages the world.





REINVENTING HIGH TECHNOLOGY SEALS

TechSeal is a new enhanced family of products, especially designed and tested on a wide range of applications.

Detailed application brochures are available, or check our **JointQTool** sealing software on our website for a quick and comprehensive calculation of your joint system, or contact us for additional information to define our best solution for your sealing requirement.

SOFT GASKETS TECHNOLOGY FOR SEALING

TechSeal is soft gasket technology providing a range of products that are designed to withstand a wide variety of application needs, whilst providing reliable performance and efficient manufacturing options.

Its unique features have made it the preferred material used across multiple applications and industries, ranging from MARINE, GAS, INDUSTRIAL, HEAVY DUTY and AUTOMOTIVE, keeping up with an ever changing market with specific solutions for fuels such as the new ethanol and biodiesel fuel blends.



REINVENTING SUSTAINABILITY FOR THE FUTURE

Resilience, durability and impermeability are intrinsic features of cork.



Product range

GRADE	MATERIAL DESCRIPTION	APPLICATIONS	DENSITY (lb/ft³) (Kg/m³)	DUROMETER (pts) Shore A	COMPRESSIBILITY (%) (400 psi)	TENSILE STRENGTH (min) (psi) (Mpa)
TS1028 ⁽³⁾	Cork/Nitrile blend, medium loading material used for natural gas and LPG applications.	A	43 – 56 700 - 900	65 - 75	25 - 40	174 1,2
TS1237	Cork/SBR blend, with outstanding low sealing stress for low loading applications. Suitable for most lubrication fluids.	A I	>30 >480	50 - 70	30 - 50	135 0,9
TS1302 ⁽¹⁾	Cork/Nitrile blend, high loading material used for natural gas and LPG applications. Also suitable for fuels, bio-fuels, oils and coolants.	G	69 – 78 1100 - 1250	70 - 90	8 - 20	798 5,5
TS1400	Cork/Nitrile blend, high performance, high loading material, suitable for fuels, bio-fuels, oils and coolants.	A H S	62 – 72 1000 - 1150	75 - 90	10 - 22	508 3,5
TS1521	Cork/SBR blend, with outstanding low sealing stress for low loading applications. Suitable for most lubrication fluids.	A E I S	35 – 47 560 - 760	50 - 70	30 - 55	131 0,9
TS1800	Cork/Nitrile blend, medium loading material, suitable for fuels, bio-fuels, oils and coolants.	A H I S	50 – 65 800 - 1040	65 - 85	15 - 30	290 2,0
TS2180	Cork/EVA blend, medium loading material. Suitable for most lubrication fluids with excellent high temperature resistance.	A I	40 - 55 640 - 880	55 - 75	25 - 45	230 1,58
TS2585 ⁽²⁾	Cork/Neoprene blend, fire resistant low loading material. Excellent for low temperature applications and suitable for most lubrication fluids.	E	40 – 47 650 - 750	45 - 60	40 - 60	73 0,5
TS3510	Cork/ EPDM blend, medium loading material used for non combustible gases and outdoor applications. Exceclent for very low temperature applications.	E I	59 – 66 950 - 1050	55 - 65	25 - 40	290 2,0
TS3740	Cork/SBR blend, sponged low loading material good for low temperature applications.	E I	>28 >450	30 - 50	30 – 50 (100 psi)	73 0,5
TS4600	Cork/Nitrile blend, medium loading material. Suitable for most lubrication fluids.	A	>40 >640	60 - 70	25 - 45	145 1,0
TS4800	Cork/ACM blend, medium loading material. Suitable for most lubrication fluids with good high temperature resistance.	A I	45 - 65 720 - 1040	55 - 75	20 – 45	240 1,65
TS5500	Cork/Nitrile blend, medium loading material used for natural gas and LPG applications.	G	36 – 44 570 - 700	55 - 70	35 - 50	145 1,0
TS5600	Cork/Nitrile blend, medium loading material. Suitable for most lubrication fluids.	E I	>45 >720	60 - 75	25 - 40	145 1,0
TS7000	Cork/Silicone blend, medium loading material used for very high and low temperature resistance, exceptional resistance to coolants and acceptable resistance to most lubricants.	E H I S	62 – 75 1000 - 1200	65 - 80	10 - 30	247 1,7
TS7090	Cork/SRB blend, medium low loading material used for natural gas and LPG applications.	G	40 – 46 640 - 740	50 - 70	30 - 50	218 1,5
TS7100 ⁽¹⁾	Cork/Nitrile blend, medium loading material, suitable for fuels, bio-fuels, and oils.	A H	53 – 63 850 - 1000	60 - 75	25 - 45	247 1,7
TS7110 ⁽¹⁾	Cork/Epichlorohydrin blend, medium to high loading material, exceptionally suited for fuels, bio-fuels, as well as oils and coolants.	H S	62 – 78 1000 - 1250	70 - 85	15 - 30	290 2,0
TS7330	Cork/Nitrile blend, high loading material, suitable for most lubricants.	H I	59 – 69 950 - 1100	75 - 90	10 - 20	406 2,8

Certifications and Approvals

- ⁽¹⁾ UL – Listed
⁽²⁾ UL – Compliant
⁽³⁾ UL – DVGW – Approved

Applications

- A Automotive
E Electric & Electronic Enclosures
G Natural Gas & LPG
H Heavy Duty Diesel
I Industrial
S Small Gasoline Engines



Main advantages

High performance sealing designed to resist oils, fuels and gases while maintaining the same initial technical performance.

- Tolerance to extreme surface finishing conditions, such as “AS CAST”.
- Conformable to flanges with higher “out-of flatness” values, such as stamped steel and plastic covers.
- Lower bolt torques possible.
- Fewer fasteners in the system.
- Smaller or lower grade fasteners.
- Components with less mass and more distortion.
- Stable damping values across the frequency range reducing vibrations effectively.
- Easy to fabricate.

A wide range of applications

TechSeal products provide manufacturing options that will ensure a reliable finished product component.

TechSeal products have unique characteristics and perform in a wide range of industries and applications such as:

- Automotive
- Electric & Electronic Enclosures
- Heavy Duty Diesel
- Industrial
- Natural Gas & LPG
- Small Gasoline Engines



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