

Composition Cork

Ecore International is the proven innovator and leading U.S.A domestic manufacturer of composition cork.

From bulletin boards to gaskets, shoe insoles to anti-skid pads, Ecore composition cork rolls are renowned for their quality and consistency. Our service, quality, and price are the best in the industry. Our commitment to improvement is continuous. Try us and compare.

| Composition Cork (Typical Values) | | | | | | | | | |
|-----------------------------------|--------------------------------|-----------|---------|------------------|-----------------------|----------|--------|-------------------------------|--|
| Product | Form | Binder | Density | Tensile Strength | Compression (@100psi) | Recovery | Flex | F-104 Callout | Applications |
| 101 | Roll (DR-101) Sheet (N-101) | Polymeric | 16 pcf | 125 psi | 35% | 80% | 5 Max. | F216000 RT or 217000 RT | Most economical all purpose composition. Highly compressible for low pressure gaskets and seals. Recommended for lining and facing material, sporting goods, bulletin boards, and die cut parts. |
| 1462 | Roll | Polymeric | 13 pcf | 90 psi | 50% | 80% | 5 Max. | | General use: bulletin boards and backing |

Cork Rubber

Ecore International is the low cost, high quality domestic supplier of cork/rubber materials for all traditional gasketing applications. The core portfolio of materials includes standard neoprenes and nitriles as well as SBR recycled contents.

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Cork/Rubber (Typical Results)

| Product | Rubber | Density | Tensile Strength | Compression (@400psi) | Recovery | Flex | Shore A Hardness | Volume Change % | ASTM Oil #1 | ASTM Oil #3 | Fuel A | AMS-C-6183 | F-104 Call Out | Description | Applications | |
|---------|------------|---------|------------------|-----------------------|----------|-------|------------------|-----------------|-------------|-------------|-----------|------------|----------------|-------------|---|--|
| DRG-46 | Co-Polymer | 41 pcf | 215 psi | 40% | 80% | 3 Max | 64 | | | | | | | F227000 M1 | A soft grade, economic synthetic material. | Low cost general service cushioning, mounting, anti-skid material. |
| E-20 | Co-Polymer | 36 pcf | 240 psi | 45% | 80% | 3 Max | 63 | | -5 to +50 | +5 to +50 | 0 to +35 | | | F227000 M1 | Low cost general service cushioning, mounting, anti-skid material. | Oil resistant, low bolting pressure seals. |
| E-25 | Co-Polymer | 38 pcf | 350 psi | 30% | 80% | 3 Max | 75 | | -10 to +5 | +5 to +15 | 0 to +15 | | | F226000 M2 | Fine cork grain; medium grade nitrile. | High cork loading for minimal side flow. Moderate swelling in oils and fuels. Transformer applications. |
| E-30 | Neoprene | 36 pcf | 220 psi | 50% | 80% | 3 Max | 61 | | -2 to +20 | +15 to +50 | 0 to +15 | CL II, G A | | F228000 M1 | Neoprene and cork, economical. | A soft neoprene sealing at low bolting pressures, wide variety of applications. |
| E-40 | Neoprene | 48 pcf | 350 psi | 32% | 80% | 3 Max | 68 | | -2 to +20 | +15 to +50 | 0 to +15 | CL II, G B | | F226000 M2 | Neoprene and cork, high quality with medium compressibility and oil resistance. | Excellent medium grade neoprene used in oil sealing applications. Transmission and automotive gaskets. |
| E-50 | Neoprene | 53 pcf | 400 psi | 26% | 80% | 3 Max | 70 | | -2 to +20 | +15 to +50 | 0 to +15 | CL II G C | | F225000 M2 | Neoprene and cork, firm with high tensile and tear resistance and low compression set | Superior, firm high grade material, high bolting pressure, excellent heat resistance, and moderate swelling in oils and fuels. |
| E-70 | Co-Polymer | 40 pcf | 250 psi | 40% | 80% | 3 Max | 65 | | | | | | | F227000 M1 | Soft grade, co-polymer and cork, economical with medium fuel resistance. | An economical sealing material for most industrial applications. Commonly used in transformer and automotive applications. |
| 122B | Co-Polymer | 53 pcf | 400 psi | 25% | 80% | 3 Max | 70 | | -5 to +10 | +5 to +15 | 0 to +10 | | | F225000 M2 | Fine grain; maximum performance nitrile/cork. | Outstanding oil, fuel, and solvent resistance under medium – high bolting pressures. |
| H-35 | Nitrile | 40 pcf | 274 psi | 40% | 80% | 3 Max | 65 | | -5 to +10 | -2 to +15 | -2 to +10 | CL I, G A | | F227000 M1 | A nitrile/cork, high quality, highly compressible with good oil resistance. | High oil, aromatic fuel and solvent resistance. Good seal at low bolting pressure. |
| H-45 | Nitrile | 46 pcf | 325 psi | 33% | 80% | 3 Max | 68 | | -5 to +10 | -2 to +20 | -2 to +10 | CL I, G B | | F226000 M2 | A nitrile/cork, high quality, medium compressibility with good oil resistance. | Superior nitrile base material for medium bolting pressure. Excellent oil, fuel, and solvent resistance. |
| H-55 | Nitrile | 52 pcf | 425 psi | 25% | 80% | 3 Max | 75 | | -5 to +10 | -2 to +15 | -2 to +10 | CL I, G C | | F225000 M2 | A nitrile/cork with highest tensile and tear strength. | Excellent nitrile and cork for high bolting pressure seals. Recommended for auto, fuel pump, meter, and general industrial applications. |
| 166-SNW | Nitrile | 31 pcf | 150 psi | 35%* | 80% | 3 Max | 54 | | 0 to +10 | +15 to +50 | 0 to +25 | | | F226000 M1 | A co-polymer material with good oil and fuel resistance. | Ideal oil seal in low torque applications. Also used for die knockouts as well as insulation tape. |
| 250-SBN | Nitrile | 31 pcf | 120 psi | 40%* | 80% | 3 Max | 50 | | 0 to +15 | +10 to +30 | 0 to +15 | | | F227000 M1 | A nitrile material with excellent oil, aromatic fuel, and solvent resistance. | A soft nitrile material ideal for sealing irregular flanges as well as low load oil filter and seal applications. |

* Compression at 100 psi

Rubber

Ecore International is the low cost, high quality domestic supplier of rubber materials for all traditional and speciality applications. The core portfolio of materials includes standard SBR, neoprenes, and EPDM rubbers. Ecore is ranked among the rubber industry's Top 100 producers and is proud to be a domestic supply source.

| Rubber (Typical Results) | | | | | | | | | | | | |
|--------------------------|--------------|---------|------------------|------------|-----------------------|----------|------------------|---------------|--------|-----------------|--|---|
| Product | Rubber | Density | Tensile Strength | Elongation | Compression (@100psi) | Recovery | Shore A Hardness | Tear Strength | Flex | Thickness Range | Description | Applications |
| 6510LC | SBR | 54 pcf | 100 psi | 55% | 24% | 90% | 50 | 40 ppi | 1 Max. | 3 to 12mm | A soft grade, easily compressed, low hardness, low tensile strength, porous SBR rubber having medium tear strength and elongation properties. | Economical cushioning/anti-skid material for rooftop membrane protection, tool box liners, packaging materials, and load securement. |
| 7619 | SBR | 50 pcf | 110 psi | 80% | 24% | 90% | 48 | 50 ppi | 1 Max. | 3 to 19mm | A medium grade SBR rubber having a soft hardness with medium physical properties and high coefficient of friction, both wet and dry. | Anti-fatigue, anti-slip, and protective permeable matting. Also suitable for truck bed mats and cushioning applications. |
| 7619-II | SBR | 54 pcf | 200 psi | 95% | 18% | 90% | 55 | 70 ppi | 0 | 3 to 15mm | A lower porosity, higher density version of 7619 with a high coefficient of friction, both wet and dry. | Anti-fatigue, anti-slip and protective matting where less permeability is required. |
| 7619 III | SBR | 58 pcf | 270 psi | 80% | — | — | 60 | 90 ppi | 0 | 3 to 9.5mm | A medium-firm grade of SBR rubber having a medium hardness with a firm compression and high tensile strength, tear strength and elongation properties. | Die-cut non-fluid sealing automotive gauges, such as mud flaps. Fuel tank and spacers. Wall liners for livestock trailers and agricultural matting. |
| 7620 | SBR | 67 pcf | 900 psi | 160% | — | — | 70 | 250 ppi | 0 | 1 to 9.5mm | A firm grade of SBR masticated-LIKE rubber having a firm compression with a high hardness, tensile strength, tear strength, and elongation properties. | Die-cut non-fluid sealing automotive parts in thinner gauges, such as stone or splash shields and radiator baffles. |
| RA-65 | Neoprene/SBR | 66 pcf | 900 psi | 170% | 20% (400 psi) | 85% | 72 | 225 ppi | 0 | 1 to 9mm | A firm grade co-polymer of SBR and neoprene rubbers with physical properties similar to 7620. | Oil, fuel and solvent resistant for moderate fluid sealing applications at a high bolting pressure. |
| 8060 | SBR | 57 pcf | 210 psi | 90% | 15% | 90% | 58 | 70 ppi | 0 | 2 to 8mm | A medium-firm grade SBR rubber having a firm compression and medium hardness tensile strength, tear strength, and elongation properties. | Die-cut non-fluid sealing automotive/truck parts in thick gauges. |
| 8620 | SBR | 67 pcf | 900 psi | 160% | — | — | 70 | 300 ppi | 0 | 1 to 8mm | A firm grade of SBR masticated-LIKE rubber with physical properties similar to but stronger and firmer than those of 7620. | Die-cut non-fluid sealing automotive parts in thin gauges, where higher tensile and tear strength are required. |