



PRODUCT NEWS

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CORK-RUBBER GASKET MATERIALS

Auburn cork-rubber materials offer many of the advantages of synthetic rubber compounds, with the important additional property of controlled compressibility. Thus cork-rubber can often be used in place of straight rubber in applications where the tendency of straight rubber to side flow would be objectionable. Auburn offers a group of 20 different materials with a wide range of firmnesses. The six most commonly called for by our customers are described in the following table.

MATERIAL	CHARACTERISTICS AND USES	TYPE	HARDNESS (SHORE A)	COMPRESSIBILITY % @ 400 PSI	MINIMUM RECOVERY %
DC-100	General purpose gasket and sealing material: high cork content, minimum side flow.	Cork & oil resistant synthetic rubber (neoprene).	65-80 (sheets) 60-75 (rolls)	25-40	70
DC-113	Firmer than DC-100: High cork content for narrow gaskets, instrument bezels, etc.	Cork & oil resistant synthetic rubber (neoprene).	70-85	10-30	70
DC-167	Top quality, soft highly compressible material for low bolting pressures.	Cork & oil resistant synthetic rubber (neoprene).	45-60	35-55	75
DC-179	Economical, highly compressible material similar to DC-167.	Cork & oil resistant synthetic rubber (neoprene).	50-65	30-50	75
NC-710	Like DC-100, but with maximum oil and solvent resistance. <i>UL listed.</i>	Cork & oil resistant synthetic rubber (nitrile).	60-75	25-45 (sheets) 25-40 (rolls)	75 (sheets) 70 (rolls)
NC-711	Like DC-113, but with maximum resistance to oil and solvents. <i>UL listed.</i>	Cork & oil resistant synthetic rubber (nitrile).	70-85	15-25 (sheets) 15-30 (rolls)	70 (sheets) 60 (rolls)

TEST METHOD	DC-100	DC-113	DC-167	DC-179	NC-710	NC-711
ASTM Oil No. 1. 70 Hrs. @ 212°F Volume Change %	+5 to +20 (sheets) -5 to +15 (rolls)	-5 to +15	-10 to +15	-5 to +15	-15 to +10 (shts) -15 to 0 (rolls)	-15 to +10
ASTM Oil No. 3. 70 Hrs. @ 212°F Volume Change %	+20 to +60 (sheets) +20 to +70 (rolls)	+10 to +50	+25 to +50	+15 to +40	-15 to +35 (shts) 0 to +15 (rolls)	-10 to +15 (shts) 0 to +15 (rolls)
ASTM Fuel A. 70 Hrs. @ 70-85° Volume Change %	+10 to +30 (sheets) 0 to +50 (rolls)	0 to +20	0 to +25	0 to +15	-5 to +10	-10 to +10 (shts) -5 to +10 (rolls)

ORDERING INFORMATION: All the materials referenced above are available in thicknesses of 1/32", 3/64", 1/16", 3/32", 1/8", 3/16", and 1/4", in a sheet size of 36" x 36". DC-100, NC-710, & NC-711 are also available in 40" wide rolls in thicknesses of 1/32", 3/64", 1/16", 3/32", 1/8" and 3/16". Auburn will diecut, stamp, slit to width, laminate and apply pressure sensitive adhesive to these cork-rubber products in accordance with your designs and specifications.