

# CORK/NITRILE BLEND CC2001



## PRODUCT DESCRIPTION

CC2001 CORK is an economical and highly compressible material suitable for low and medium bolt pressure, with good flexibility and resilience. The physical characteristics along with fuel and oil resistance make this a general purpose gasket material.



## PROPERTIES

MATERIAL DESCRIPTION	
Cork granule size (mm)	2/3
Colour	Black
Binder	Cork/Nitrile
PHYSICAL CHARACTERISTICS	
Density	0.6-0.7
Hardness Shore A	50-70
Compressibility, 400 PSI (%)	40-55
Recovery (%)	75
Tensile Strength (kg/Cm)	10.5
FLEXIBILITY	
Original F=5	No cracks
ASTM No 1 Oil, 70 Hrs. @ 100c (F16)	No cracks
Oven aged, 70 Hrs. @ 70 Hrs. @ 100c (F16)	No cracks
VOLUME CHANGE AFTER IMMERSION	
ASTM No 1 Oil 70 Hrs. @ 100c (%)	-10 to +10
ASTM No 3 Oil 70 Hrs. @ 100c (%)	-5 to + 40
ASTM Fuel A, 22 Hrs. @ 23c (%)	-5 to + 10
SPECIFICATION ACCORDING TO	
ASTM D 194. F22900000	
TEMPERATURE RANGE	
-20 to +120°C	

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# CORK/NITRILE CC2006 ANTI-VIBRATION



## PRODUCT DESCRIPTION

CC2006 CORK is a low compressible medium density cork and rubber material for noise and vibration control, with excellent oil and fuel resistance.

### APPLICATIONS

- Vibration control in technical equipment rooms
- Vibration isolation for machinery
- Pumps & Presses
- Looms & Motors
- Runways
- Rail & Subway isolation pads
- Acoustic suspension elements
- Systems for walls, ceilings & piping



### PHYSICAL CHARACTERISTICS

MATERIAL DESCRIPTION	
Colour	Red with cork points
Cork granule size (mm)	0.5 to 1
Binder type	Nitrile rubber
Durometer shore	A 65-75
Compression at 400 PSI (%)	25-35
Recovery (%)	80
Tensile (kg/cm <sup>2</sup> )	23.5

### TEST ACCORDING TO ASTM F104

VOLUME CHANGE AFTER IMMERSION (%)	
ASTM Oil 1 / 70 hrs. at 100°C	-2 to +10
ASTM Oil 3 / 70 hrs. at 100°C	-2 to +15
ASTM Fuel / 22 hrs. at Room Temperature	-2 to +10
Min / Max Working Temperature	-60 / + 350

### TEMPERATURE RANGE

TEMPERATURE RANGE	
Min / Max Temperature	-20°C / +120°C
Thermal Conductivity	0.79 W/m°C

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# CORK/NITRILE BLEND CC2020



## PRODUCT DESCRIPTION

CC2020 CORK is an excellent general-purpose gasket material, its toughness and good compressibility characteristics make it highly satisfactory in a very wide range of applications. The material has a very low swelling in oils and fuels, which makes it especially suitable for transformer applications.



### APPROVALS / COMPLIANCE

- BSAU RC80-B
- DEF 22 (Aircraft Industry)
- BS2F66 (Minimum granule mix 65% Nitrile as per British Standard)
- ASTM F 104 (F225000-M2S9)

### MATERIAL SPECIFICATION

PHYSICAL CHARACTERISTICS	
Hardness Shore "A"	60-80
Specific Gravity	0.700-0.800
Density KG/CU.MT.	700-800
Density LBS/CU.FT.	43.8-50.0
Compressibility @ 44 psi. (28kg/sq.cm) %	25-40
Recovery (Min) %	75
Tensile Strength (Min) PSI	250
Tensile Strength Kg/sq.cm	17.5
Thickness Tolerance (%)	Normal: +/- 10
FLEXIBILITY	
Original (F-5)	No cracks
Oven aged 70 hrs. @ 100°C (F=16)	No cracks
ASTM No 1 Oil 70 hrs. @ 100°C (F=16)	No cracks
VOLUME CHANGE AFTER IMMERSION	
ASTM No 1 Oil 70 hrs. @ 100°C (%)	-10 to + 10
ASTM No 3 Oil 70 hrs. @ 100°C (%)	0 to + 20
ASTM Fuel A 22 hrs. @ R.T (%)	0 to + 10
TEST METHOD	
ASTM F 104-59.	

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