

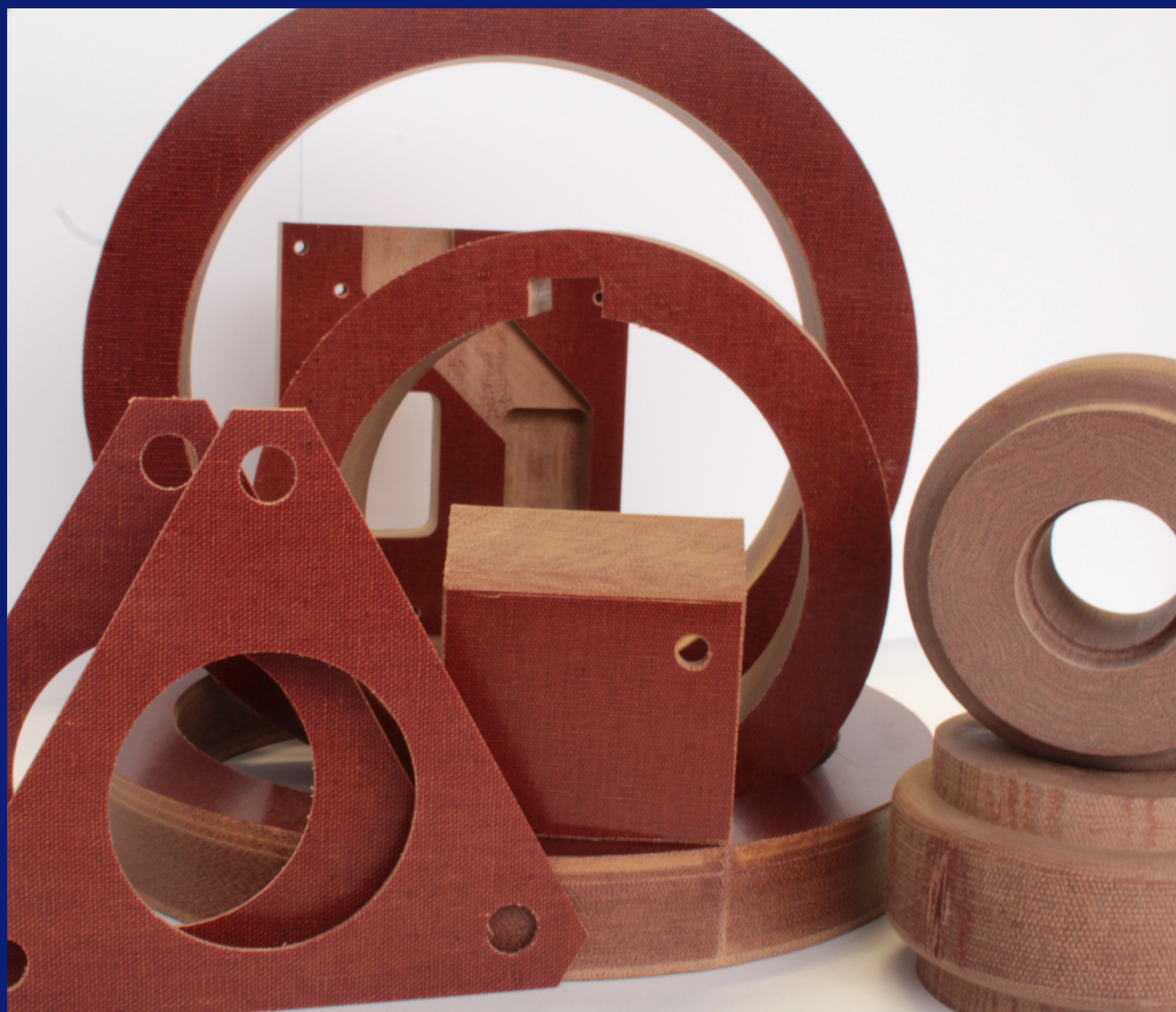


# DEMS

## Phenolic Resin Bonded Cotton Fabric Laminate

### Eagle

Medium weave fabric base for mechanical use with low voltage electrical properties.



- NEMA -C
- (CELERON)
- Voltage: 20 kV
- 120°C Continuous.
- 130°C Intermittent.
- Colour :Brown/Tan
- Applications:  
vanes, gears,  
spacers, isolators,  
cam shaft.



**DEMS**

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**DEMS**

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## PHENOLIC RESIN BONDED COTTON FABRIC LAMINATE - EAGLE

### PROPERTIES

(D) DIN 7735

HGW2082

EN 60893/IEC893

PF CC 201

IS 2036

F-3

RESIN

PHENOL

REINFORCEMENT

FABRIC

### MECHANICAL PROPERTIES

METHOD

UNIT

FLEXURAL STRENGTH

IS 2036

MPa

120

TENSILE STRENGTH

IS 2036

MPa

100

SHEAR STRENGTH

IS 2036

MPa

70

MODULUS OF ELASTICITY

IS 2036

MPa

7000

CHARPY IMPACT STRENGTH

IS 2036

KJ/m<sup>2</sup>

15

### ELECTRICAL PROPERTIES

ELECTRICAL STENGTH PARALLEL TO LAMINATION

IS 2036

kV

20

INSULATION RESISTANCE

IS 2036

MQ

70

PERMITTIVTY AT 1 MHz

IS 2036

DISSIPATION FACTOR AT 1 MHz

IS 2036

COMPARATIVE TRACKING INDEX

CTI

150

### PHYSICAL PROPERTIES

DENSITY

IS 2036

G/cm<sup>3</sup>

1,3-1,4

WATER ABSORPTION AT 6,MM

IS 2036

mg

225

TEMPERATURE INDEX

IS 2036

TI/C

120