



Power  
Connector  
Protect

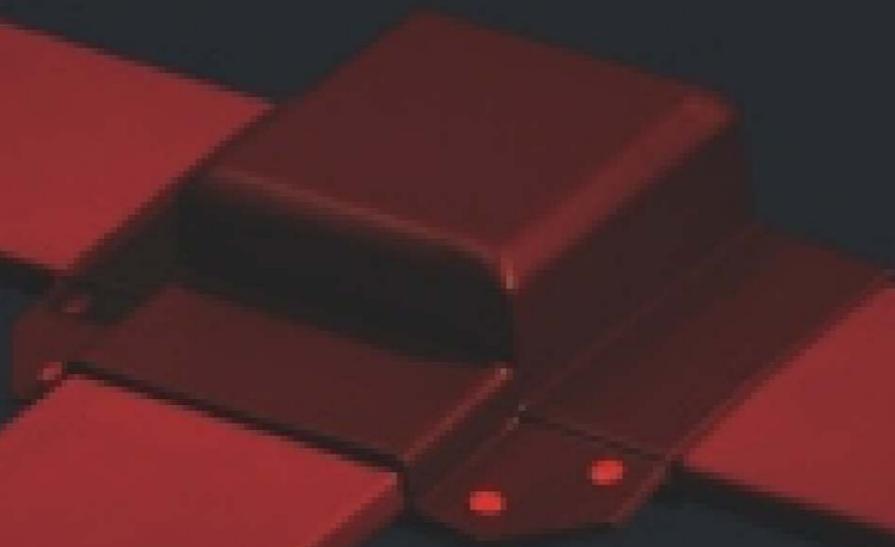


# About us

CAS Applied Chemistry Materials Co., Ltd. ( casac ) is a professional manufacturer of insulation、 sealing、 protective materials for electric power system. Integrates development and manufacturing in-house, specializes in manufacturing all types of bushing covering for insulation enhancement. Our products are widely used in high voltage and low voltage switchgear, busbar, transformer incoming and outgoing feeder, lightning arrester, various clamps, overhead bare line and electric connectors for insulation and protection. Our company have attained ISO9001 and ISO14000 certifications, committed to providing customers with reliable products and solutions. We hope to cooperate with more customers for mutual development and benefits.

## Advantage of products:

- ▲ High quality with professional design
- ▲ Anti-aging radiation cross linking materials
- ▲ Dependable performance
- ▲ Excellent insulation property
- ▲ Easy installation and removal with snap-fastener
- ▲ Customized
- ▲ Wide varieties
- ▲ Environmentally-friendly



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## Bushing cover for busbar connectors



# Bushing cover for busbar connectors

Color: ■ ■ ■ ■

Working temperature: -40~105°C

## Features:

- ▲ Suitable for 1-35KV
- ▲ Radiation cross linking materials ( Polyolefin or EPDM rubber )
- ▲ Quick and easy installation
- ▲ Avoid short circuit and leakage
- ▲ Facilitate routine inspection and maintenance
- ▲ Resistant to moisture and dust
- ▲ Meet RoHS Stand
- ▲ Customized

## Application:

- ▲ Provide insulation and enhancement for busbar connectors
- ▲ Supply protection and insulation in switchgear and substations

## Technical data:

Properties	Indicative values		Test methods
	Polyolefin	EPDM	
Tensile strength	≥10.0Mpa	≥10Mpa	ASTM D 2671
Elongation at break	≥300%	≥1000%	ASTM D 2671
Thermo aging tensile strength	≥6.9Mpa	≥9Mpa	90°C/70hrs
Thermo aging elongation at break	≥150%	≥500%	90°C/70hrs
Heat shock	No cracking	No cracking	JB7829
Oxygen index	≥28	-	GB/T 2406
Dielectric strength	≥20KV/mm	≥30KV/mm	IEC 243
Dielectric constant	2~3	2~3	IEC 250
Volume resistance	≥1×10 <sup>14</sup> Ω·cm	≥4.5×10 <sup>14</sup> Ω·cm	IEC 93



Bushing cover for transformer incoming and outgoing feeder



# Bushing cover for transformer incoming and outgoing feeder

Color: ■ ■ ■ ■

Working temperature: -40~105°C

## Features:

- ▲ Suitable for 1-35KV
- ▲ Radiation cross linking materials ( Polyolefin or EPDM rubber )
- ▲ Quick and easy installation
- ▲ Avoid short circuit and leakage
- ▲ Facilitate routine inspection and maintenance
- ▲ Resistant to moisture and dust
- ▲ Meet RoHS Stand
- ▲ Customized

## Application:

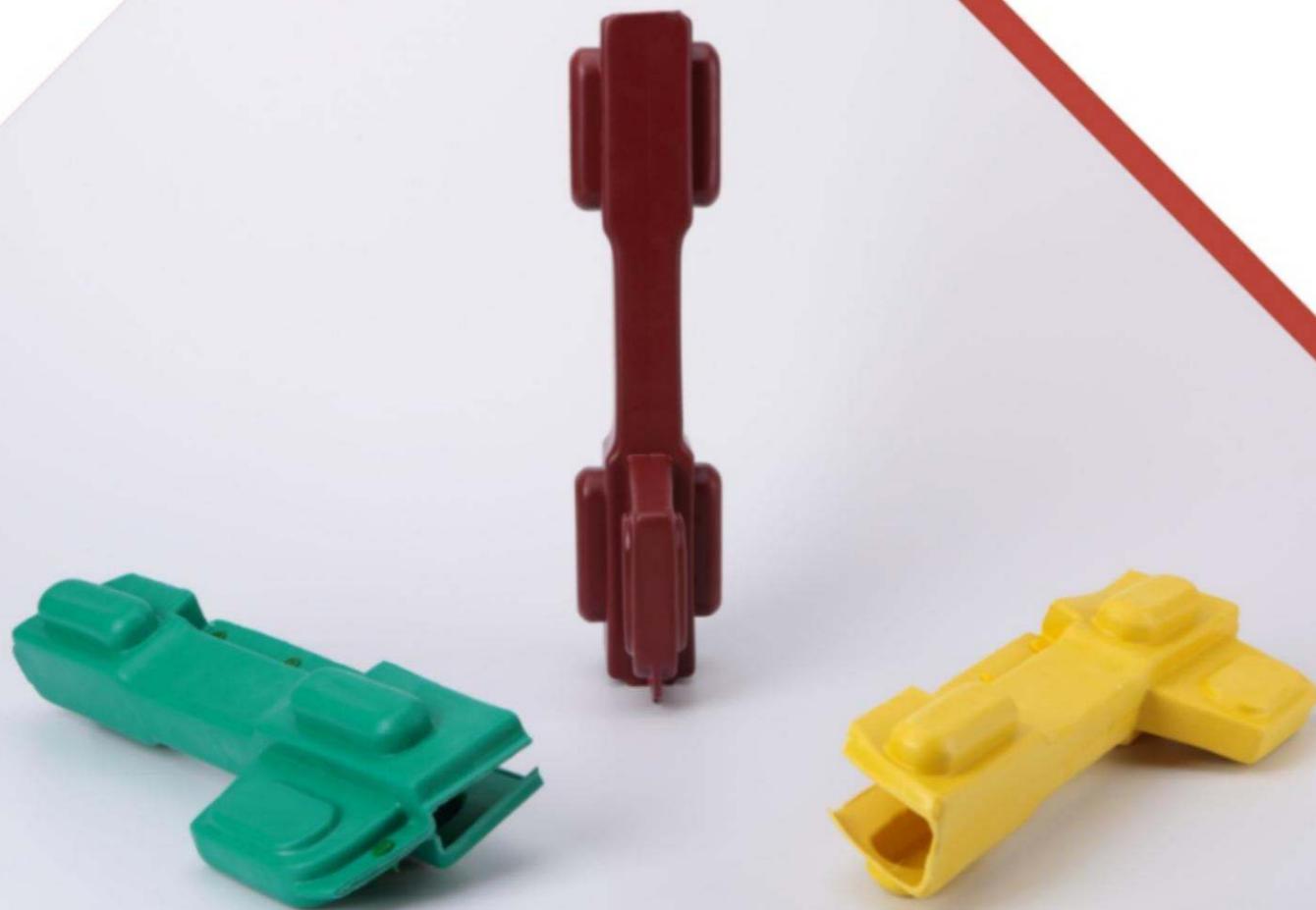
- ▲ To provide insulation and protection for transformer incoming and outgoing feeder

## Technical data:

Properties	Indicative values		Test methods
	Polyolefin	EPDM	
Tensile strength	≥10.0Mpa	≥10Mpa	ASTM D 2671
Elongation at break	≥300%	≥1000%	ASTM D 2671
Thermo aging tensile strength	≥6.9Mpa	≥9Mpa	90°C/70hrs
Thermo aging elongation at break	≥150%	≥500%	90°C/70hrs
Heat shock	No cracking	No cracking	JB7829
Oxygen index	≥28	-	GB/T 2406
Dielectric strength	≥20KV/mm	≥30KV/mm	IEC 243
Dielectric constant	2~3	2~3	IEC 250
Volume resistance	≥1×10 <sup>14</sup> Ω·cm	≥4.5×10 <sup>14</sup> Ω·cm	IEC 93



## Bushing cover for various switches



## Bushing cover for various switches

Color: ■ ■ ■ ■

Working temperature: -40~105°C

### Features:

- ▲ Suitable for 1-35KV
- ▲ Radiation cross linking materials ( Polyolefin or EPDM rubber )
- ▲ Quick and easy installation
- ▲ Avoid short circuit and leakage
- ▲ Facilitate routine inspection and maintenance
- ▲ Resistant to moisture and dust
- ▲ Meet RoHS Stand
- ▲ Customized

### Application:

- ▲ Provide insulation and protection for various incoming and outgoing connection points of isolation switches, vacuum switches and fuses.

### Technical data:

Properties	Indicative values		Test methods
	Polyolefin	EPDM	
Tensile strength	≥10.0Mpa	≥10Mpa	ASTM D 2671
Elongation at break	≥300%	≥1000%	ASTM D 2671
Thermo aging tensile strength	≥6.9Mpa	≥9Mpa	90°C/70hrs
Thermo aging elongation at break	≥150%	≥500%	90°C/70hrs
Heat shock	No cracking	No cracking	JB7829
Oxygen index	≥28	-	GB/T 2406
Dielectric strength	≥20KV/mm	≥30KV/mm	IEC 243
Dielectric constant	2~3	2~3	IEC 250
Volume resistance	≥1×10 <sup>14</sup> Ω·cm	≥4.5×10 <sup>14</sup> Ω·cm	IEC 93





Bushing cover for various clamps



# Bushing cover for various clamps

Color:    

Working temperature: -40~105°C

### Features:

- ▲ Suitable for 1-220KV
- ▲ Radiation cross linking materials ( Polyolefin or EPDM rubber )
- ▲ Quick and easy installation
- ▲ Avoid short circuit and leakage
- ▲ Facilitate routine inspection and maintenance
- ▲ Resistant to moisture and dust
- ▲ Meet RoHS Stand
- ▲ Customized

### Application:

- ▲ Provide insulation and protection for various clamps, like wedge clamp, strain clamp and parallel-groove clamp

### Technical data:

Properties	Indicative values		Test methods
	Polyolefin	EPDM	
Tensile strength	≥10.0Mpa	≥10Mpa	ASTM D 2671
Elongation at break	≥300%	≥1000%	ASTM D 2671
Thermo aging tensile strength	≥6.9Mpa	≥9Mpa	90°C/70hrs
Thermo aging elongation at break	≥150%	≥500%	90°C/70hrs
Heat shock	No cracking	No cracking	JB7829
Oxygen index	≥28	-	GB/T 2406
Dielectric strength	≥20KV/mm	≥30KV/mm	IEC 243
Dielectric constant	2~3	2~3	IEC 250
Volume resistance	≥1×10 <sup>14</sup> Ω·cm	≥4.5×10 <sup>14</sup> Ω·cm	IEC 93



## Bushing cover for surge arrester



## Bushing cover for surge arrester

Color: ■ ■ ■ ■

Working temperature: -40~105°C

### Features:

- ▲ Suitable for 1-35KV
- ▲ Radiation cross linking materials ( Polyolefin or EPDM rubber )
- ▲ Quick and easy installation
- ▲ Avoid short circuit and leakage
- ▲ Facilitate routine inspection and maintenance
- ▲ Resistant to moisture and dust
- ▲ Meet RoHS Stand
- ▲ Customized

### Application:

- ▲ To provide insulation and protection for surge arrester

### Technical data:

Properties	Indicative values		Test methods
	Polyolefin	EPDM	
Tensile strength	≥10.0Mpa	≥10Mpa	ASTM D 2671
Elongation at break	≥300%	≥1000%	ASTM D 2671
Thermo aging tensile strength	≥6.9Mpa	≥9Mpa	90°C/70hrs
Thermo aging elongation at break	≥150%	≥500%	90°C/70hrs
Heat shock	No cracking	No cracking	JB7829
Oxygen index	≥28	-	GB/T 2406
Dielectric strength	≥20KV/mm	≥30KV/mm	IEC 243
Dielectric constant	2~3	2~3	IEC 250
Volume resistance	≥1×10 <sup>14</sup> Ω·cm	≥4.5×10 <sup>14</sup> Ω·cm	IEC 93



# Bushing cover for electrical connections



# Bushing cover for electrical connections

Color: ■ ■ ■ ■

Working temperature: -40~105°C

### Features:

- ▲ Suitable for 1-35KV
- ▲ Radiation cross linking materials ( Polyolefin or EPDM rubber )
- ▲ Quick and easy installation
- ▲ Avoid short circuit and leakage
- ▲ Facilitate routine inspection and maintenance
- ▲ Resistant to moisture and dust
- ▲ Meet RoHS Stand
- ▲ Customized

### Application:

- ▲ Provide insulation and protection for various electrical connections



### Technical data:

Properties	Indicative values		Test methods
	Polyolefin	EPDM	
Tensile strength	≥10.0Mpa	≥10Mpa	ASTM D 2671
Elongation at break	≥300%	≥1000%	ASTM D 2671
Thermo aging tensile strength	≥6.9Mpa	≥9Mpa	90°C/70hrs
Thermo aging elongation at break	≥150%	≥500%	90°C/70hrs
Heat shock	No cracking	No cracking	JB7829
Oxygen index	≥28	-	GB/T 2406
Dielectric strength	≥20KV/mm	≥30KV/mm	IEC 243
Dielectric constant	2~3	2~3	IEC 250
Volume resistance	≥1×10 <sup>14</sup> Ω·cm	≥4.5×10 <sup>14</sup> Ω·cm	IEC 93

