



## Sundow Polymers Co., Ltd.

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## WellButren™ CIIR-3812

### Chlorinated Isobutylene Isoprene Rubber

#### Composition

Copolymer rubber of Chlorinated Isobutylene-Isoprene with low Mooney viscosity.

#### Specification

Properties	Unit	Index	Test Method
Appearance		Off-white	Visual
Mooney Viscosity (ML1+8, 125°C)	MU	38 ± 5	ISO 289/ASTM D1646
Volatiles	wt%	≤ 0.5	ISO 248/ASTM D5668
Chlorine Content	wt%	1.2 ± 0.1	Q/SD 030-2020
Total Ash	wt%	≤ 0.5	ISO 247/ASTM D5667
Antioxidant (non-staining)	wt%	≥ 0.02	Q/SD 030-2020

#### Cure Characteristics

Properties	Unit	Index	Test Method
FL	dN·m	2.5 ± 0.9	ISO 6502/ASTM D5289
FH	dN·m	8.0 ± 1.5	ISO 6502/ASTM D5289
ts1	min	1.2 ± 0.9	Rotor less cur (MDR)
tc50	min	3.0 ± 2.0	160°C × 40min, 0.5°arc
tc90	min	8.5 ± 3.3	160°C × 40min, 0.5°arc
Test Formulation	ISO 7663/ASTM D 3958 CIIR-1301 100, IRB#7 40, ZnO 5, St.A 1		
Tensile strength, mPa	ISO 289/ASTM D1646		≥ 14.0
Elongation at break, %	ISO 289/ASTM D1646		≥ 450
300% tensile modulus, mPa	ISO 289/ASTM D1646		6.5-8.5



## Applications

Chloro butyl Rubber CIIR-3812 has superior air impermeability, outstanding performance of heat-resistance, chemical corrosion-resistance, thermal aging resistance, and good curing performance. It can be widely used for tire inner liners, medical stoppers, corrosion-resistance lining, protective clothing, shoes production and TPV industry.

## Safety & Toxicity

CIIR-3812 is polymer in solid with stable performance. It is harmless and not dangerous for humans, plants and animals. For relevant safety data and reference, please refer to MSDS.

## Packaging

34 ± 0.5 kg/bale in EVA film.

Pallets of plywood box of 1224 kg with 36 bales.

Pallets of metal box of 1224 kg with 36 bales.

## Storage Life & Conditions

Two years with keeping storage & transport under 35°C and protected against sunlight.

