

BLACKFIRE CR



SPECIAL WEAR SHEETING FIRE RESISTANT

FEATURES

Fire and wear resistant high grade chloroprene.

REGULATIONS

- Fire resistant classified M2 following UNE 23727
- NF F 16101: smoke opacity following NF X 10702 and toxicity of emitted gases following NF X 70100, class F5

APPLICATIONS

General equipment protection or other applications subject to risk of fire.

ADVANTAGES


- Very good fire resistance
- Very good wear resistance
- Excellent ageing resistance
- Very good heat resistance
- Antistatic
- Very good resistance to animal or vegetable oils
- Matte finish to guarantee a good surface finished quality, to secure an easy unrolling, and to facilitate adhesive bonding processes
- Possibility to be produced with bonding layer for cold vulcanizing or with steel backing for mechanical fixing

BENEFITS

- Performance
- Service life
- Safety

MECHANICAL, PHYSICAL AND CHEMICAL PROPERTIES

Measured characteristics		Standard	Value	
MECHANICAL				
Rubber compound - black			CR	C738
	Density		1.47 ±0.05	g/cm ³
	Hardness	ASTM D2240	70 ±5	Shore A
	Tensile strength	ISO 37	≥10	MPa
	Elongation at break	ISO 37	≥250	%
	Tear resistance	ISO 34-1	≥20	N/mm
	Abrasion resistance (10N)	ISO 4649	≤200	mm ²
	Compression set after 22h at 70 °C	ISO 815-1	≤20	%
TEMPERATURE				
	Working temperature		-30/+120	°C
AGEING				
	Δ Hardness after 70h at 70 °C	ASTM D573	≤5	Shore A
	Δ Tensile strength after 70h at 70 °C	ASTM D573	≤-15	%
	Δ Elongation at break after 70h at 70 °C	ASTM D573	≤-25	%
OIL RESISTANCE				
	Oil IRM 901, Δ volume after 70h at 70 °C	ASTM D471	≤10	%
	Oil IRM 903, Δ volume after 70h at 70 °C	ASTM D471	≤55	%
CHEMICAL RESISTANCE				
Diluted acids and bases	Concentrated acids and bases	Ozone	Oils and hydrocarbons	
Good	Medium	Very good	Medium	
IDENTIFICATION				
Branding	Without.			
Packaging	Thickness ≤6mm rolled on cardboard tube Ø 80mm. Thickness >6mm in roll.			
Wrapping	Black polyethylene film.			
Labelling	Self-adhesive label indicating product name, dimensions, area in m ² , nominal weight, and product code to allow product traceability.			

CR	SPECIAL WEAR SHEETING	BLACKFIRE		
THICKNESS mm	WIDTH mm	LENGTH m	WEIGHT kg/m ²	SIDES FINISH
3±0.3	1400±2%	10±2%	4.41	2 sides matt
4±0.4	1400±2%	10±2%	5.88	2 sides matt
5±0.4	1400±2%	10±2%	7.35	1 side smooth/1 side matt
6±0.5	1400±2%	10±2%	8.82	1 side smooth/1 side matt
8±0.7	1400±2%	10±2%	11.76	1 side smooth/1 side matt
10±1.0	1400±2%	10±2%	14.7	1 side smooth/1 side matt

