

FRAS Rubber is a specialised type of rubber that is used in areas where static build-up, ignition points or fire potential are considered to be high risk. This rubber sheeting is made from a SBR (styrene-butadiene rubber) polymer that is modified to give it its fire resistant and anti-static properties.

Our FRAS Rubber is independently tested and certified by the Mine Safety Technology Centre and meets the requirements of MDG 3006 / MDG 3608 Non Metallic Materials for Use In Underground Coal Mines.

[View This Product](#)

Applications

FRAS Rubber is most often used as a rubber skirt, lining, strip, pad or curtain. It is also used for making gaskets and seals and as an insulating, isolating or protection material. Some example uses for this rubber include:

- Fire resistant skirting rubber.
- Anti-static skirting rubber.
- Impact curtains.
- Ballistic rubber curtains.
- Underground mining equipment curtains and shields.
- Anti-vibration mounts.
- Insulating strip.
- Isolation barriers.
- Transfer and joining sleeves.
- Flange gaskets and seals.
- Ventilation ductwork seals.
- Conveyor dust sealing curtains.
- Mud flaps for underground mining vehicles.
- Vent bands.
- Ventilation fan housing seals.

Many other applications in the mining, mineral processing, construction, oil & gas, manufacturing, automotive, food processing or agriculture sectors that require a rubber that is fire resistant and/or anti-static.

Important

The values listed here and the information presented should not be treated as a substitute for specific technical advice. We cannot warrant the products performance or suitability for particular applications.

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Technical Details

Property	Value	Test Standard
Colour	Black	
Polymer	SBR	
Hardness (Durometer)	65 (±5) Shore A	ASTM D2240
Temperature Range	-25°C to +90°C	
Specific Gravity	1.28	ASTM D297
Tensile Strength	14 MPa (min.)	ASTM D412
Elongation at Break	300% (min.)	ASTM D412
Tear Strength	60 N / mm (min.)	ASTM D624
Abrasion	250mm ³ (max.) @ 10N	ASTM D5963
Ignitability & Flame Propagation	Has a mean persistence time of the flame of ≤30s	
	Has a mean persistence time of the afterglow of ≤120s	
Oxygen Index	Has a mean persistence time of the flame for each individual test piece of ≤45s	
	The afterglow persistence time of each test piece is ≤180s 45s	
Electrical Resistance	The calculated oxygen index is not less than 28%.	
Approvals & Certifications	The mean value for Electrical Resistance on both upper and lower surfaces is not greater than 300 MΩ (300x10 ⁶ ohms).	
	<ul style="list-style-type: none"> • MDG 3006 MTR8 3.2 (2007) • MDG 3608 3.3 (2012) 	

Available Sizes, Forms and Styles

Our FRAS Rubber is available by the metre or in specially fabricated strips and parts. All rolls are 1500mm Wide. Maximum roll length is 30 metres. Standard roll sizes include:

Standard Thicknesses

- 3mm
- 6mm
- 9mm
- 12mm
- 16mm
- 19mm

Pieces, Cut Strips, Custom Sizes and Special Requests

We're always happy to help with special requirements. If the size you require for your project isn't listed here please do reach out to us. We'll do our very best to help in any way we can.

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