

# Premium FRAS Foam

## Product Description

Our FRAS foam is a closed cell polyethylene (PE) structure, and has both fire retardant and anti-static properties. The foam is slightly denser than our standard packaging foam, but provides excellent impact absorption and compliance to both FMVSS302 and UL94 HBF. The foam has low water absorption, excellent chemical resistance, and great UV properties. It has a smooth finish.

### ▶ Technical information

Property Type	Property	Unit	Notes
Colour	Black	-	
Density	45	kg/m <sup>3</sup>	
Tensile strength	350	kPa	
Tear strength	1.8	kN/m	
Elongation	150	%	
Hardness	45 - 60	Shore 00	
Compression deflection (10%)	-	kPa	
Compression deflection (25%)	50	kPa	
Compression deflection (50%)	-	kPa	
Compression deflection (75%)	-	kPa	
Thermal conductivity	0.032	W/mK	
Water absorption	0.01	g/cm <sup>3</sup>	
Flammability	PASS	FMVSS302	
Fire restardancy	PASS	UL94 HBF	
Operating temperature	-30 to 85	degrees Celcius	
UV resistance	excellent	-	
Chemical resistance	excellent	-	
Surface resistivity	10 <sup>9</sup> to 10 <sup>11</sup>	Ohms	
EU compliance	-	-	
Shelf life	infinite*	-	see storage requirements below

### Sizing

Stock sheet size is 2100x1180mm, available in all thicknesses

### Storage requirements

Store in a clean, dry place. Ensure foam is within working temperature window, and 40 - 50% relative humidity.



### ▶ Contact us

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