Accord Steel Cladding Ltd
Unit 33 Dawley Trading Estate
Stallings Lane
Kingswinford
West Midlands
DY6 7AP

01384 273811
01384 277399 (fax)
info@steelroofsheets.co.uk
www.steelroofsheets.co.uk

Foam Filler Data Sheet

Material	Temp Range	Thickness	Density	Colour
PE (Polyethylene) Foam	-70°C to +70°C	25mm	30kg/m³	White/Black/Liquorice

PE foam is a closed cell physically cross-linked polyethylene laminated with strengthening interfaces, weighing 30kg/m³. PE foam fillers are the most widely used and cost effective for standard applications.

Any PE foam fillers can be vented to order by having tops removed, nicks to base or mesh venting. Use of an adhesive/mastic is recommended to achieve a permanent fix and prevent fillers being moved by birds or other outside influences. This can be factory applied when required.

Property	ISO	Unit	Result
Density	845	KG/CU.MT	33
Tensile Strength			
Lengthwise	1926	kPa	325
Crosswise	1926	kPa	230
Tensile Elongation			
Lengthwise	1926	%	120
Crosswise	1926	%	110
Compressive Strength			
Deflection 10%	844	kPa	15
Deflection 25%	844	kPa	35
Deflection 50%	844	kPa	99
Compression Set			
22 Hrs Charge 23°C			
Deflection 25%			
0.5 hrs after discharge	1856-C	%	21
24 hrs after discharge	1856-C	%	12
Thermal conductivity			
At 10°C	2581	W/mK	0.034
At 20°C	2581	W/mK	0.039
Working Temperature	Internal	°C	-80/ +100
Water Absorption			
After 96 Hours	2896	%	<1
Water Vapour Transmission	1663	g/m²x24h	-
U-Value (23°C, 0.85% r.h.)	1663	-	-
Shore Harness 0 and 00 scale	Internal	-	21 and 44

All information given is the to best of our knowledge. All test data are average values and should be considered as guidelines only.

Accord Steel Cladding Ltd
Unit 33 Dawley Trading Estate
Stallings Lane
Kingswinford
West Midlands
DY6 7AP

01384 273811
01384 277399 (fax)
info@steelroofsheets.co.uk
www.steelroofsheets.co.uk

PRODUCT SAFETY AND HANDLING

Handling: No special handling requirements

Storage: Store at ambient temperature indoors if possible or covered up to prevent damage from rain and sun.

Health data: Polyethylene Foam Fillers present no significant hazards to health. The material may burn if heated to temperatures equal or above its combustion point or exposure to flame, harmful gases may be generated (such as carbon dioxide, carbon monoxide, nitrogen monoxide, nitrogen dioxide).

Inhalation: There is no significant risk from inhalation, move affected person to fresh air. At irritation of the respiratory track seek medical attention.

Skin contact: Low danger of inflammation, clean with soap and water.

Ingestion: Flush mouth with water.

Eye contact: If material enters eyes, remove like any other foreign object, flush with water if necessary. May cause irritation.

Fire and explosion hazard data: If exposed to temperatures equal or above its combustion point or exposure to flame, it will burn and harmful gases may be generated such as carbon dioxide, carbon monoxide, nitrogen monoxide, nitrogen dioxide.

All fire extinguishing media permitted; full emergency equipment including breathing apparatus recommended for fire fighters.