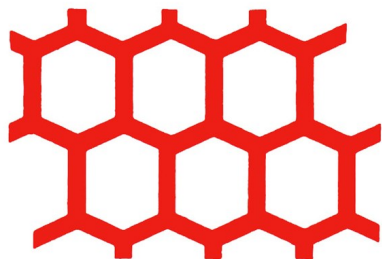


IFS CHEMICALS



ENVIROFOAM 16.464

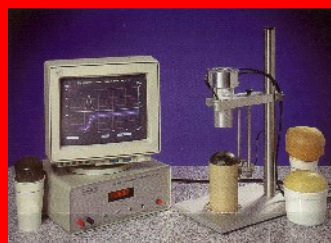
A CFC-Free Polyurethane Foam with an Ozone Depletion Potential of Zero for Insulation Purposes
Manufactured from Environmentally Attractive Chemicals



Envirofoam 16.464 is a low-density fire-retardant polyurethane foam for the insulation of discontinuous panels. It is suitable for the production of cold-room and general building panels as well as for refrigerated vehicles manufactured on a modular panel basis.

Envirofoam 16.464 has been extensively evaluated in combination with a variety of commonly used substrates including steel, aluminium, polystyrene, ABS and glass-reinforced polyester. Adhesion and density distribution are excellent.

Envirofoam 16.464 contains no CFCs or HCFCs, is based upon polyols derived from a natural vegetable origin, and is therefore ideal for applications where environmental issues are of utmost importance. It has an ozone depletion potential of zero and a Global Warming potential of 'less than 5'



IFS Chemicals Ltd

Station Road, Roydon, Norfolk, PE32 1AW

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Typical Properties of Envirofoam 16.464

Appearance	Resin Isocyanate M	Clear Amber Liquid Brown Liquid
Storage Temperature	Resin Isocyanate M	15-25°C 15-25°C
Specific Gravity (20%)	Resin Isocyanate M	1.06g/cm ³ 1.24 g/cm ³
Viscosity (25°C)	Resin Isocyanate M	255 mPa.s 240 mPa.s
Mix Ratio (w/w)	Resin Isocyanate M	100 113
Cream Time	100g at 20°C	9 seconds
Gel Time	100g at 20°C	100 seconds
Free Rise Density	Overall	34 kg/m ³
In-Place Density	Overall	42-48 kg/m ³
Compressive Strength @ 10%	kPa	210 @ 39 kg/m ³ Core Density
K- Value (Initial)	Initial	0.022W/mK
Tensile Adhesion	kPa	280
GWP		0.75
Flammability	BS4735	<125mm Mean extent of burn
Cure Time	50mm Thickness 80mm Thickness	20 minutes 25 minutes
Dimensional Stability	-15°C for 7 Days	Zero volume change

For optimum performance use within three months of delivery.

Please Note:

Whilst every effort is made to ensure it's accuracy, the data held on this sheet is meant for informational purposes only. The typical properties listed are the result of extensive laboratory tests, but since IFS Chemicals Ltd has no control over the end use of each material, the Company cannot guarantee that these results will be obtained in practice. Users should conduct their own tests to determine the suitability of each material for its intended application.