

URSA VIB 500 Extruded Polystyrene Foam



Technical Characteristics (to BS EN 13164)

Property	Value	Unit	Standard
Thickness	25 - 100	mm	EN 823
Density	40	kg/m ³	EN 1602
Thermal Conductivity	0.029	W/mK	EN 13164
Water Absorption (by immersion)	<1.0	% Volume	EN 12087
Water Vapour Resistivity	600 - 1300	MNs/gm	EN 12086
Compressive Strength (at yield)	500*	kPa	EN 826
Compressive Modulus	16,000	kPa	EN 826
Tensile Strength	600	kPa	EN 1607
Tensile Modulus	16,000	kPa	EN 1607
Shear Strength	300 - 400	kPa	EN 12090
Shear Modulus	4000 - 5000	kPa	EN 12090
Reaction to Fire	E	Euroclass	EN 13501-1
Service Temperature	-50 to +75	°C	-
Capillarity	Zero	-	-
Coefficient of Linear Thermal Expansion	0.07	mm/mK	-
Specific Heat Capacity	1.45	kJ/kgK	-
Surface	Planed/Grooved	-	-
Length	2100 - 3000	mm	-
Width	600 - 1196	mm	-
Length Tolerance	+10/-0	mm	EN 822
Width Tolerance	+3/-0	mm	EN 822
Thickness Tolerance	+0.5/-0.5	mm	-
Squareness	<2	mm	EN 824
Edge Profile	Square Edge	-	-

* <40mm = 400 kPa

The technical information provided in this document reflects current know-how and knowledge. The scenarios described here do not purport to take account of the specific circumstances of every application and all liability is therefore excluded. (January 2009).