

DUFLEX TECHNICAL SPECIFICATION

EFRI GRADE PVC FOAM

General Description

Duflex PVC foam is a flexible, weldable, open celled material manufactured from plasticised PVC polymers.

Physical Properties

<u>Characteristic</u>	<u>Test Method</u>	<u>Specification</u>
Cell Count	Duflex Q.C. (1991)	10-18 cells/cm
Density	BS 4443 Pt 1 (1988)	80-105 kg/m ³
Tensile Strength	BS 4443 Pt 1 (1988)	100 kPa min.
Elongation at Break	BS 4443 Pt 1 (1988)	80% min.
Compression Set	BS 4443 Pt 1 (1988)	20% max.
Compression Load Deflection	DIN 53577 (1988)	Compression 5.0 - 8.0 kPa Relaxation 3.0 - 6.0 kPa
Flammability	BS AU 169 (1978) (≡ FMVSS 302)	100mm/minute max at thicknesses of 3mm or above.
Low Temperature Flexibility	Duflex Q.C. (1992)	No cracks at -20°C
High Temperature Dimensional Stability	Duflex Q.C. (1991)	1% change in dimensions max.
Ignitability	BS 5852 (1990)	Pass ignition sources 0 & 1

This specification supersedes all previous issues.

Specification DS1 8.5.03