

Preliminary Product Information ZOUCHflex EL 55-70

Description ZOUCHflex EL 55-70 is a premium quality flexible closed cell elastometric sponge material which has a Nitrile base. It has excellent thermal properties making it ideal for pipe insulation and doesn't crack or become brittle at exceptionally low temperatures. It is also dust free, fibre free and CFC friendly.

ZOUCHflex EL 55-70 doesn't penetrate moisture, water or liquids making it ideally suitable for a whole range of HVAC, marine and ducting applications. It comes Black as a standard and meets with BS 476 Part 7 Class "0" for fire retardancy. Standard sheet material is available at 1000mm wide in a thickness from as little as 3mm up to and including 32mm. Zouch Converters can apply a whole range of pressure sensitive adhesives if needed for permanent or repositionable bonding. This sponge can be easily fabricated into any configuration to include washers, pads or gaskets, transformed into semi-split circular tube or just simply supplied as sheets.

Application Typical uses would include protection of heating plants, hot and cold water treatment, duct insulation or as an oil and chemical resistant gasket within the Automotive and transportation sectors. The product is also appropriate for many sealing and sound absorption applications.

Properties:	Technical data:
Compression set:	50% 22H 20°C - 15-25%
Temperature range:	-45°C to 85°C
Thermal conductivity at 20°C:	0.037 W/(m.k)
Water absorption:	< 1.1%
Elongation:	min. 100%
Tensile strength:	345 kPa
Flammability:	FMVSS - 302
Cellular structure:	Closed-cell
Density:	55-70 kg/m ³
Ignitability:	B.S. 476 PART 5 1979 : CLASS 'P' B.S. 476 PART 6 1989: CLASS 'O' B.S. 476 PART 7 1987: CLASS '1'
Sound reduction:	up to 32 dB(A)
Oil resistance:	good
Ozone resistance:	good

Processing The most important processing parameters and information on cleaning are listed in our Information on Processing Adhesive Tapes.

Storage Unprocessed in the original cardboard box, 12 months after receipt by the customer, at a relative atmospheric humidity of about 60% and a temperature of 18°C.

Special Information

All data and technical information presented are based on laboratory tests or have been compiled from supplier information to the best of our knowledge. A guarantee that the values are complete and correct can however not be given. You are kindly requested to conduct your own tests to determine the suitability of our product for your applications. Our General Conditions answer any questions on guarantees and liabilities for these products insofar as no other legal regulations apply.

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