



C&T Matrix is excited to announce the arrival of *SPEEDX* (die ejection rubber). *SPEEDX* is the next generation of high-performance die ejection rubber that has been engineered to provide essential benefits to all sectors of the packaging supply chain. Moreover, technical conformity in key packaging plants now expect the key elements and benefits of the *SPEEDX* range.

The ANALYSIS.

SPEEDX v conventional OPEN CELL rubber

PERFORMANCE

As the name implies, *SPEEDX* guarantees a rapid recovery on press and is it therefore particularly suitable for high speed auto-platens. To appreciate this one has to look at old fashioned OPEN CELL rubbers with a 'skin/skin' structure and the random sized air bubbles. All of these characteristics convert to lost time as the platen pressure needs to be applied at sufficient levels to allow the air to be squeezed out under compression. As a result, time is then required to allow the air to re-enter the rubber to facilitate the ejection process.

The microscopic and homogeneous closed cell structure of *SPEEDX* converts to consistent and uniform compressibility on the die by absorbing the energy applied under platen pressure. When released, the stored energy quickly allows the structure to recover and provides fast/powerful ejection ensuring maximum speed on-press.

ACCURACY

Conventional OPEN CELL rubbers are either produced from moulds covered in insightly

powdery release agents or they are produced from an extrusion process that has relatively large thickness tolerances (typically +/-0.5mm) *SPEEDX* is produced in large blocks and then accurately slit to the exact thickness required with the tightest of tolerances (+/-0.2mm). This is especially beneficial with varying plywood thicknesses.

CONVERSION

Conventional OPEN CELL rubbers absorb water like a sponge when converted on a waterjet cutter hence requiring a secondary drying process/time before becoming suitable for bonding to the die. The closed cell structure of *SPEEDX* doesn't allow for water absorption found during the waterjet cutting process. This means that the rubber is suitable for adhesive bonding to the die immediately after being cut.

HANDLING

The opinion of many die-maker and stockists is that conventional open cell and some closed cell rubbers emit an unpleasant odour. In addition to this, some rubbers are unusually heavy in weight. *SPEEDX* has a neutral odour and soft feel structure that feels lightweight in comparison to conventional heavyweight ejection rubbers.

By consequence, reduced machine loads are typical for dies using *SPEEDX*.

CERTIFICATION

SPEEDX has a FOOD SAFETY CERTIFICATE which states that it can be used in direct contact with food AND its packaging!

RANGE

SPEEDX is available in a wide range of hardness from 15 shore through to 75 shore and each hardness has a unique colour for ease of identification on the die.

COMMERCIAL

SPEEDX is extremely competitive and is positioned at an almost identical price point to existing OPEN CELL grades – this means you obtain a superior product for the same price on a die!

Contact our customer service team

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Available with or without adhesive.

COLOUR - SHORE HARDNESS

Beige	15	Light Grey	55
Yellow	25	Brown	65
Green	35	Black	75
Orange	45		

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MATRIX

SPEEDX