## Material Data Sheet (Valid from 01.05.2018)

Zellpolyurethan RG50 Material type:

Polymer base : PU / MDI

| Physical Properties                 | Status | Norm         | Unit                   | Average                                    |
|-------------------------------------|--------|--------------|------------------------|--|
| General                             |        |              |                        |  |
| Colour                              | S      |              |                        | Gelb / Yellow                              |
| Density                             | S      | ISO-845      | Kg / m³                | 500 +/-50                                  |
| Cell Structure                      | S      |              |                        | Mikrozellig gemischt / Microcellular mixed |
| Compression                         |        |              | %                      |  |
| Operating temperature               | D      | Internal     | °C                     | > 100                                      |
| Elongation                          | D      |              | %                      | >400                                       |
| Shore Firmness                      |        | ° Shore      |                        |  |
| Shore 00                            | D      | ASTM D2240   | °00                    | 80   |
| Shore A                             | D      | ISO 868-1985 | °A                     | 40   |
| Cycle stability                     | V      | Internal     |                        | A  |
| Aging resistance                    | V      | Internal     |                        | A  |
| dynamic                             | V      | Internal     |                        | Α  |
| Compression hardness S              |        | ISO-3386-1   | kPa / mm²              | Typical application                        |
| with application-typical deflection | on     |              |                        |  |
| ,,                                  |        | mm ( % )     |                        |  |
| 7 mm Ejector                        | V      | 1,8 mm / 26% | 470                    | Solid board up to 0,6 mm                   |
| 7 mm Ejector                        | V      | 2,2 mm / 31% | 560                    | Solid board 0,6-1,5 mm                     |
| 7 mm Ejector                        | V      | 3,0 mm / 43% | 760                    | Corrugated flat 1,5 - 3 mm                 |
| 11 mm Ejector                       | V      | 3,0 mm / 27% | 360                    | Corrugated flat 1,5 - 3 mm                 |
| 11 mm Ejector                       | V      | 3,5 mm / 32% | 410                    | Corrugated flat 3-4 mm                     |
| 11 mm Ejector                       | V      | 4,0 mm / 36% | 460                    | Corrugated flat >5 mm                      |
| 14 mm Ejector                       | V      | 6,3 mm / 45% | 750                    | Corrugated Rotation 1,5 - 3 mm             |
| 14 mm Ejector                       | V      | 6,8 mm / 49% | 855                    | Corrugated Rotation 3-4 mm                 |
| 14 mm Ejector                       | V      | 7,5 mm / 54% | 1050                   | Corrugated Rotation >5 mm                  |
| 16 mm Ejector                       | V      | 6,3 mm / 39% | 720                    | Corrugated Rotation 1,5-3 mm               |
| 16 mm Ejector                       | V      | 6,8 mm / 45% | 790                    | Corrugated Rotation 3-4 mm                 |
| 16 mm Ejector                       | V      | 7,5 mm / 47% | 910                    | Corrugated Rotation >5 mm                  |
| S= Specification                    | D =    | Final values | V = Preliminary values | n.A.= Not relevan                          |