



INNOVABAK



INNOVABAK is a closed cell HDPE foam backing material for corrugated post print applications.

INNOVABAK comes in various thicknesses and roll dimensions to fit to the specific print requirement

Features:

- Durability
- Fast rebound
- controlled thickness tolerance
- Easy and residue-free removal
- Resistance against ink, alcohol, isopropanol, ethyl acetate and other chemicals
- Reduced weight

| Corrugated backing materials portfolio and availability | | | | | |
|---|-------------|------|-----------------------------------|----------------------------------|-------------|
| | Thicknesses | | roll sizes | | color |
| | inch | mm | 60 in. x 50 ft. (1,524m x 15m) | 55 in. x 50 ft. (1,4m x 15m) | |
| supported | 0.053 | 1.35 | non standard | standard | red |
| | 0.065 | 1.65 | standard | standard | |
| | 0.077 | 1.95 | standard | standard | |
| | 0.093 | 2.35 | non standard | standard | |
| | 0.102 | 2.60 | non standard | non standard | |
| | 0.112 | 2.85 | non standard | standard | |
| | 0.160 | 4.05 | non standard | non standard | |
| unsupported | | | 59 in. x 82 ft. (1,5m x 25m) | 53 in. x 82 ft. (1,35m x 25m) | red |
| | 0.043 | 1.10 | non standard | standard | |
| | 0.055 | 1.40 | standard | standard | |
| | 0.067 | 1.70 | standard | standard | |
| | 0.083 | 2.10 | non standard | standard | |
| | 0.093 | 2.35 | non standard | non standard | |
| | 0.102 | 2.60 | non standard | standard | |
| | 0.150 | 3.80 | non standard | non standard | |
| more support sizes | 0.010 | 0,25 | 65 in. | | milky white |
| | 0.014 | 0,35 | 55 in. | | |

| Technical characteristics and tolerances | | | | | | | |
|---|----------------------|----------------------|----------------------|----------------------|----------------------|-----------------------|---------------------|
| product | Innovabak 1.1 | Innovabak 1.4 | Innovabak 1.7 | Innovabak 2.1 | Innovabak 2.6 | unit | test method |
| foam thickness | 1.1 mm 0.043 in. | 1.4 mm 0.055 in. | 1.7 mm 0.067 in. | 2.1 mm 0.083 in. | 2.6 mm 0.102 in. | mm mil | ISO 1923 |
| foam thickness tolerance | 0.15 mm 0.006 in. | 0.15 mm 0.006 in. | 0.02 mm 0.008 in. | 0.02 mm 0.008 in. | 0.02 mm 0.008 in. | mm mil | ISO 1923 |
| foam density | 125 | 125 | 125 | 125 | 125 | kg/m ³ | ISO 845 |
| foam density tolerance | 17 | 17 | 17 | 17 | 17 | kg/m ³ | ISO 845 |
| foam tensile strength lengthways | 2,3 | 2,3 | 2,3 | 2,1 | 2 | N/mm ² | ISO 1798 |
| foam tensile strength crossways | 1,4 | 1,5 | 1,5 | 1,3 | 1,3 | N/mm ² | ISO 1798 |
| foam elongation at break lengthways | 370 | 380 | 380 | 340 | 380 | % | ISO 1798 |
| foam elongation at break crossways | 290 | 290 | 290 | 300 | 310 | % | ISO 1798 |
| foam compression strength at 25% deflection | 90 | 130 | 130 | 110 | 121 | kPa | ISO 3386/1 |
| foam compression strength at 50% deflection | 210 | 180 | 270 | 220 | 230 | kPa | ISO 3386/1 |
| foam heat resistance | 95 | 100 | 100 | N/A | 100 | °C | DIN ISO 2796 |
| foam hardness shore A | 33 | 37 | 37 | 37 | 35 | | DIN EN ISO 868_2003 |
| adhesive peel strength | 8 | 8 | 8 | 8 | 8 | N/25mm | DIN EN 1939 |
| adhesive shear strength | 1 | 1 | 1 | 1 | 1 | kg/625mm ² | DIN 1943 |