



Technical datasheet

INNOVABAK



INNOVABAK is a single sided self-adhesive PE-foam. It comes in 5 thicknesses and with an optional laminated PET backing material.

Application:

Compressible backing material for Flexographic Post Print or any other application with the following requirements:

- Consistent compression characteristics
- Narrow thickness tolerances
- Residue free delamination from PET
- Resistance against chemicals

Benefits:

Using INNOVABAK can reduce costs by using thinner photopolymer plates, increase the print quality and is more resistant to chemicals than a PU-foam.



available dimensions:

Foam thickness [mm]	foam width [mm]	PET or Mylar	total thickness [mm]	total width [mm]	roll length [m]
1.1	1350		1.1	1350	25
1.1	1350	0.25mm	1.35	1400	15
1.1	1500		1.1	1500	25
1.1	1500	0.25mm	1.35	1650	15
1.4	1350		1.4	1350	25
1.4	1350	0.25mm	1.65	1400	15
1.4	1500		1.4	1500	25
1.4	1500	0.25mm	1.65	1650	15
1.7	1350		1.7	1350	25
1.7	1350	0.25mm	1.95	1400	15
1.7	1500		1.7	1500	25
1.7	1500	0.25mm	1.95	1650	15
2.1	1350		2.1	1350	25
2.1	1350	0.25mm	2.35	1400	15
2.1	1500		2.1	1500	25
2.1	1500	0.25mm	2.35	1650	15
2.6	1350		2.6	1350	25
2.6	1350	0.25mm	2.85	1400	15
2.6	1500		2.6	1500	25
2.6	1500	0.25mm	2.85	1650	15

Technical values:

property	Innovabak 1.1	Innovabak 1.4	Innovabak 1.7	Innovabak 2.1	Innovabak 2.6	unit	test method
foam color							
foam thickness	1,1 (43)	1,4 (55)	1,7 (67)	2,1 (83)	2,6 (102)	mm (mil)	ISO 1923
foam thickness tolerance	0,2	0,2	0,25	0,3	0,3	mm	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
liner color	translucent white	translucent white	translucent white	translucent white	translucent white		
PET color	white	white	white	white	white		