

FALCON - foamed white PVC

Product description:

Profile:	foamed PVC, white
Colour:	white
Thick	white 1.0 - 10.0 mm
Standard dimensions:	1000 x 2000
	1220 x 2440
	1560 x 3050
	2030 x 3050

Suitable for application of self-sticking film, backing, screen printing and for flat bed technologies. Excellent rigidity and good mechanical properties enable easy cutting and processing with common tools.

Ambient temperature during application: -10 to +55°C

Characteristic features:

Parameter	Method	Conditions	Unit	Value	
Film thickness				3 mm	10 mm
Physical					
Specific weight	(D-1505)		g/cm ³	0.55	0.50
Water absorption	(D-570)	24 h at 23°C	%	0.5	0.8
Mechanical - longitudinal direction					
Bending strength limit	(D-790)	1 mm/min	MPa	27-28	21-22
Impact strength, notch test - Izod	(D-256)	23°C	J/m	33-35	Not applicable
Impact strength, notch test - Charpy	(D-256)			27-29	16-17
Thermal deflection temperature	(D-648)	1.82 MPa	°C	59-63	
Impact fall test	(ISO-6603/1)		J	1-2	8-9
Thermal					
Operation temperature range			°C	-10 to 55	
Heat deflection temperature	(D-648)	Load: 1.82 MPa	°C	59-63	
VICAT softening temperature	(D-1525)	Load: 1 kg	°C	74-75	
Linear heat expandability coefficient (D-696)			10 ⁻⁵ /°C	6.7	
Heat conductivity	(C-177)		W/mK	0.07	
Electric					
Surface resistance	(D-257)		Ohm	5 * 10 ¹⁵	
Volume resistance	(D-257)		Ohm-cm	2.6-21 * 10 ¹⁵	

Special colours and dimensions are available on request; in some cases on condition of a certain minimum size of an order.