

Material specifications:

Raw material: LDPE (foam)
 HDPE (film)

Production method: Cellu-Cushion® is extruded with hydrocarbons blowing agent, 400 micron film is laminated on the Cellu-Cushion® with the help of high temperature

Cell structure: Closed cells

Physical Properties*	Test Method	Unit	Value
Nominal density	DIN53420	kg/m ³	35
Water absorption	ASTM C-272-53	%	0,5
Heat conductivity	DIN 52612/ ISO8301	W / mK	0,05
Heat resistance (R)	DIN 52612/ ISO8301	m ² .K/W	0,04
Water vapour resistance	SSO21582	S/m	3,35.10 ⁶
	SSO21582	Sd (m)	89
	SSO21582	m ² sPa/kg	456.10 ⁹
Compression strength, 25% deformation	DIN53577	ton/m ²	2,19
Compression strength, 50% deformation	DIN53577	ton/m ²	7,7
Compressive set (%) (after 50% deformation in 22 hours)	ASTM3575-B	%	30
Aging resistancy	SP 0414	year	50
	ISO 1798		
Impact sound insulation ΔL_w	SS-EN ISO 140-8 SS 02 52 67 SS-EN ISO 717-2	dB	50
Fire classification (Euro class)	EN 13501-1	-	C _{fl} -s1