

Material Specifications: Lawson Black WPC/SPC Pad

Raw Material: LDPE/EVA (foam)

Thickness: 1.5 mm

Cell Structure: Closed cells

Physical Properties	Test Method	Unit	Value
Nominal density	DIN 53420	kg/m ³	100
Water absorption	ASTM C-272-53	%	1
Heat conductivity	DIN 52612 / ISO 8301	W/mK	0.05
Heat resistance (R)	DIN 52612 / ISO 8301	m ² .K/W	0.03
Water vapour resistance	SSO 21582	S/m Sd(m) m ² sPa/kg	3.35.10 ⁶ 89 456.10 ⁹
Compression strength, 25% deformation	DIN 53577	ton/m ²	5.35
Compression strength, 50% deformation	DIN 53577	ton/m ²	9.8
Compressive set (%) (after 50% deformation in 22 hours)	ASTM 3575-B	%	10
Aging resistancy	SP 0414 ISO 1798	year	50
Impact sound insulation ΔL_w	SS-EN ISO 140-8 SS 02 52 67 SS-EN ISO 717-2	dB	55
Sound transmission class	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