

ISOCELL - cellulose fibre

According to classification standard EN 15101

DATA SHEET

Designation		Trendisol cellulose insulation fibre	
Fire protection		< 10% mineral additives	
		Austria / EU	Germany
Declared value/ rated value		0,038 W/ mK	0,039 W/ mK
Reaction to fire	EN 13501-1	≥100 mm/B – s2, d0	B2 - DIN 4102
Technical approval		ETA - 06 / 0076	
Quality control external		OiB	
Blow- in density according to technical approval			
loose		28 - 40 kg/ m ³	
Condensed in wall, roof or ceiling area		38 - 65 kg/ m ³	
Thermal conductivity λ D	EAD, Annex A	0,037 W/ mK	
Water vapour diffusion resistance	EAD, clause 2.2.4	μ = 3	
Airflow resistance	EN 29053, Method A	r = 6,6/8,1/25,1/34,5/46,3/74 kPa.s/ m ² at 28/30/45/50/55/65 kg/ m ³	
Spec. thermal capacity		2,11 kJ / kg K	
Water absorption, short-term	EN 1609, Method A	< 14,1 kg/ m ³	
Nominal thickness		loose up to 25cm = 10% extension loose over 25 cm = 15% extension	
Settlement behaviour under shock	EN 15101-1, Annex B3 and EAD	S _V = 4% (28kg/ m ³) SC 0 (38kg/ m ³)	
Settlement behaviour under vibration	EN 15101-1, Annex B2	SH 20 (28kg/ m ³)	
Settlement behaviour under cyclic humidity stress	EN 15101-1, Annex B1	SH 10 (40kg/ m ³)	

DIPOSAL

Disposal clue	Austria:	CEE:
	ASN 18407, ASN 91101	17 06 04, 17 09 04, 20 03 01
Diposal	The material can be restored to the producer, assumed it is not contaminated.	
	Burning in a refuse incineration plant as mono-waste or together with other community refuse is permitted.	

QUALITY CONTROL PRODUCER

Density	1 x weekly
Settlement	1 x weekly
Water absorption	1 x weekly
Reaction to fire	1 x weekly

ECOLOGICAL DATA

Primary energy from nonrenewable resources PENRT MJ/kg	3,74 MJ
Primary energy from renewable resources PERT MJ/kg	12,1 MJ
Greenhouse gas emissions GWP100	- 1,21 kg CO ₂ equ./kg
Acidification potential of soil and water / AP	0,00108 kg SO ₂ equ./kg



ISOCELL GmbH & Co KG

