

DATA SHEET LEGERLITE GEOFOAM

DESCRIPTION

Legerlite GEOFOAM

Blocks of various sizes made with EPS beads containing a flame retardant.

PRODUCT DATA

Dimensions

- > 48" x 96" x 49"
- > 48" x 192" x 49"

Cutting sizes available based on the requirements of the specifications..

EVALUATION



- > Certified INTERTEK ETL SEMKO
- > Conforms to the CAN/ULC-S701 standards
- > Conforms to the 14301 standards of the CCDG (Type A and B MTQ insulation)

PHYSICAL PROPERTIES	ASTM TEST	UNIT	GEO10	GEO15	GEO20	GEO30	GEO40	GEO60
Thermal resistance at 24 °C (min.)	C-518	m ² . °C/W/25mm	0,65	0,70	0,74	0,75	0,76	0,76
		hre.pi ² . °F/Btu/po	3,7	4,0	4,2	4,25	4,30	4,30
Compressive strength at 10% distortion (min.)	D-1621	kPa	80	110	140	210	276	414
		lb/po ² or psi	11,6	16	20	30	40	60
Compressive strength at 5% distortion (min.)	D-1621	kPa	55	90	117	175	241	364
		lb/po ² or psi	8	13	17	25,5	35	53
Compressive strength at 1% distortion (min.)	D-1621	kPa	25	40	52	77	103	151
		lb/po ² or psi	3,6	5,8	7,5	11,3	15	22
Bending strength (min.)	C-203	kPa	172	241	276	345	414	517
		lb/po ² or psi	25	35	40	50	60	75
Dimensional stability: % of linear change (max.)	D-2126	%	≤ 1.5	≤ 1.5	≤ 1.5	≤ 1.5	≤ 1.5	≤ 1.5
Coefficient of linear expansion (max.)	D-696	mm/mm/ °C	6x10 ⁻⁵	6x10 ⁻⁵	6x10 ⁻⁵	6x10 ⁻⁵	6x10 ⁻⁵	6x10 ⁻⁵
		po/po/°F	3,5x10 ⁻⁵	3,5x10 ⁻⁵	3,5x10 ⁻⁵	3,5x10 ⁻⁵	3,5x10 ⁻⁵	3,5x10 ⁻⁵
Water vapour permeability (max.)	E-96	ng/Pa.s.m2	300	200	160	130	130	130
		Perms	5,25	3,5	2,8	2,3	2,3	2,3
Water absorption (max.)	D-2842	%	6	4	3	2	2	2
Application temperature (max.)	Constant	°C	75 / 82	75 / 82	75 / 82	75 / 82	75 / 82	75 / 82
	Intermittent	°F	167 / 180	167 / 180	167 / 180	167 / 180	167 / 180	167 / 180
Flame spread rating	(CAN/ULC S102,2 M)	-	250	250	250	250	170	170
Smoke developed	(CAN/ULC S102,2 M)	-	410	410	410	410	< 500	< 500

GARANTIE

Groupe Legerlite certifies that the product conforms to the CAN/ULC -S701 standards (Intertek).

UV DEGRADATION

Extended exposure to UV rays will cause a slight discolouration and erosion of the block's surface. The impact on the product's insulating properties will be minimal, unless UV exposure is such that thickness diminishes as a result. To avoid UV degradation, the block must be covered as soon as possible.

NOTES

- EPS beads should be considered flammable when subjected to a source of intense heat or a constant strong flame.
- The material includes a flame retardant.
- Vulnerable to petroleum-based solvents.
- Unaffected by repeated freeze-thaw cycles.
- Environmentally neutral / No leachate or risk of soil or water contamination.
- Robust, resistant and long-lasting.
- Contains no CFC, HCFC or HFC.