

DATA SHEET LEGERLITE GEO EPS

DESCRIPTION

Legerlite GEO EPS

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 D6817									
	ASTM TEST	UNIT	EPS12*	EPS15	EPS19	EPS22	EPS29	EPS39	EPS46	EPS56**
Nominal density	C-303	kg/m3	11	14,4	18,4	21,6	28,8	38,4	45,7	56
		lb/ft3	0,7	0,9	1,15	1,35	1,8	2,4	2,85	3,5
Thermal resistance at 24 °C (min.)	C-518	m². °C/W/25mm	0,65	0,70	0,74	0,75	0,75	0,76	0,76	0,76
		h.ft². °F/Btu/in	3,7	4,0	4,2	4,25	4,25	4,30	4,30	4,30
Compressive strength at 10% distortion (min.)	D-1621	kPa	40	70	110	135	200	276	345	414
		psi	5,8	10,2	16	19,6	29	40	50	60
Compressive strength at 5% distortion (min.)	D-1621	psf	840	1470	2300	2820	4180	5760	7200	8640
		kPa	35	55	90	115	170	241	300	364
Compressive strength at 1% distortion (min.)	D-1621	psi	5,1	8	13,1	16,7	24,7	35	43,5	53
		psf	730	1150	1890	2400	3560	5040	6260	7632
Compression module (min.) 75mm	D-1621	kPa	15	25	40	50	75	103	128	151
		psi	2,2	3,6	5,8	7,3	10,9	15	18,6	22
Bending strength (min.)	C-203	psf	320	520	840	1050	1570	2160	2680	3168
		kPa	1500	2500	4000	5000	7500	10 300	12 800	15 00
Dimensional stability: % of linear change (max.)	D-2126	psi	220	360	580	730	1090	1500	1860	2175
		kPa	69	172	207	276	345	414	517	517
Water absorption (max.)	D-2842	psi	10	25	30	40	50	60	75	75
		%	≤ 1.5	≤ 1.5	≤ 1.5	≤ 1.5	≤ 1.5	≤ 1.5	≤ 1.5	≤ 1.5
Oxygen index (min.)	D-2863	%	6	6	4	3	2	2	2	2
		%	24	24	24	24	24	24	24	24
Bouyancy Force	-	kg/m3	990	980	980	980	970	960	950	940
		lb/ft3	62	61	61	61	61	60	59	59

* EPS12 is not part of the CAN/ULC-S701 standards
** EPS56 is not part of ASTM D6817

GUARANTEE

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 discoloration 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.