



TRUEFOAM 300

Type 3

Expanded Polystyrene Insulation

Data

Table 1 provides a comparison of the Physical Properties of Dow SM and TRUEFOAM 300 under the requirements of CAN / ULC – S701 - 2005

TABLE 1

Physical Properties Requirements of CAN / ULC – S701 - 2005

Property and Test Method	Minimum Requirement	Dow SM	Truefoam 300
Thermal Resistance (1), per inch (25mm), ASTM C518, C177 @ 75°F (24 °C) mean temp., ft ² • h • °F/Btu (m ² • °C/W), R-value (RSI), min	0.74 M ² C/W	5.0 (0.88)	4.26 (.75)
Compressive Strength (2), ASTM D1621, Kpa (psi), min.	140 (20)	30 (210)	29.6 (204)
Water Absorption, ASTM D2842, % by volume, max.	2.0%	0.7	0.33
Water Vapour Permeance (3), ASTM E96, perm (ng/Pa•s• m ²), max.	130 max	0.9 (50)	1.89 (113.5)
Maximum Use Temperature, °F (°C)	165 (74)	165 (74)	167 (75)
Coefficient of linear Thermal Expansion. ASTM D696, in/in•°F• (mm/m• °C)	3.5 x 10 ⁻⁵ (6.3 x10 ⁻²)	3.5 x 10 ⁻⁵ (6.3 x10 ⁻²)	3.5 x 10 ⁻⁵ (6.3 x10 ⁻²)

TRUEFOAM 300

- Test results provided by Intertek ETL SEMKO
- Manufactured in compliance with CAN/ULC-S701-2005
- CCMC Evaluation #13317-L
- CAN/ULC tested for fire resistance as per: CAN/ULC-S101-M
CAN/ULC-S107-M
CAN/ULC-S126-M

NOTE: All Truefoam EPS is manufactured with BASF Styropor and is certified by Warnock Hersey Under certification #L22439 CCMC# 13317-L