

Material Data Sheet Rev 1.22 (01/28/22)



Product name: GELSPool

Insulation: expanded polyethylene closed cell foam + low density polyethylene film

Insulation product codes: polyolefin products

Chemical family: polyolefin thermoplastics

Composition information on ingredients (Insulation)

Polyethylene	CAS 9002-88-4	85% - 100%
Other proprietary additives	N/A	0 - 15%

HAZARDOUS INGREDIENT		EXPOSURE LIMITS Wt %
Isobutane	CAS 0075-28-5	800 ppm TWA (ACGIH)



Insulation

Product made according to ASTM C 1427-07, type I (tubular), grade I (insulation material for use on typical commercial system non-cross-linked).

Low-density polyethylene foam:

- closed cells foam, CFC and HCFC gas free

Water vapor permeability: according to ASTM E96-00

- $\rho = 4 \times 10^{-5}$ [mg/(h*m*Pa)]

Working temperature: according to ASTM C 1427-07 , type I (tubular), grade I from -94 F to +250 F

Wall thickness available: 3/8", 1/2", 3/4", 1"

Surface burning characteristics: **UL723 CLASSIFIED** R39562 (ASTM E84 25/50)

- Flame Spread Index: 0
- Smoke Development Index: 10

UV Resistance: **UL PERFORMANCE VERIFIED A693219** - 71% retention of strenght properties after 2000* hours of UV conditioning in Accelerated Weathering Test Machine.

*based on internal test performed at PDM labs, 2000 hours in Accelerated Weathering Test machine are comparable to a direct sunrays exposure for 5.66 years at a subtropical latitude.

Thermal conductivity according ASTM C 335-95

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Declaration of NO RED List Items:

PDM US Corp. declares the polyethylene foam used in all its products to be cleared of all the RED LIST ITEMS, specifically:

- Asbestos • Cadmium • Chlorinated Polyethylene and Chlorosulfonated Polyethylene • Chlorofluorocarbons (CFCs) • Chloroprene (Neoprene)P • Formaldehyde (added) • Halogenated Flame Retardants • Hydro chlorofluorocarbons (HCFCs) • Lead (added) • Mercury • Petrochemical Fertilizers and Pesticides • Phthalates • Polyvinyl Chloride (PVC) • Wood treatments containing Creosote, Arsenic or Pentachlorophenol

California Proposition 65 Declaration

All PDM US LLC products do NOT contain chemicals listed on California's Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65).

All PDM products are 100% recyclable.