MULTI | ¾" D

Physical Properties

Polygreen Multi consists of thermal bonded (closed-celled) crosslinked Polyethylene foam (PEX). This foam originates from production residues and contains no contaminants. Polygreen Multi is tested based on microbiological resistance to weathering, oxidation, acids & bases. The predicted durability of PEX is 100 years minimum.

Polygreen Multi is tested by simulated mechanical wear using the Lisport wear test. Even after 65,000 cycles (Lisport simulated average 30* year usage) there are hardly any differences in sport technical characteristics (SA, VD, HIC). Polygreen Multi is tested on simulated ageing weatherability and has virtually no influence on the dimensional properties.

* based on 1 cycle = 1 hour of usage and 2080 hours of usage per year (average usage of 52 weeks a year and 40 hours a week)

** Results will vary depending on actual field configuration and final cross-section design

Technical Specifications

Physical	
Thickness at 2 kPa (0.3 psi) load	.79 in
Mass per unit area	.66 lb/ft²

Strength		
Tensile	38 psi	ASTM D 3575
Compressive at 25% deflection	15 psi	ASTM D 3575
Thickness after 72 hour recovery	.78 in	
Compressive at 50% deflection	52 psi	ASTM D 3575
Thickness after 72 hour recovery	.77 in	

Performance		
Impact attenuation (gmax)**	80-110	ASTM F1292

Drainage and Isolation		
Water permeability via infiltration rate	>1,000 in/h	
Water flow rate under 2 in (51 mm) hydraulic head	15 gpm/ft²	ASTM D 4491
(resulting) Water permeability by permittivity	5.9 gpm/ft²	ASTM D 4491
In-plane water flow rate at 0.3 psi (2 kPa) load and 0.005 hydraulic gradient (0.5% slope)	.53 gpm/ft	ASTM D 4716
(resulting) Hydraulic transmissivity [θ]	106 gpm/ft	ASTM D 4716
Thermal conductivity [λ10]	.03 BTU/h.ft. °F	ASTM C 177
(resulting) Thermal resistance [R-value]	2271 hr.ft².°F/BTU	ASTM C 177

205 BORING DRIVE
DALTON, GA 30721

Phone: 877.302.8625
Web: polygreenfoam.com

made in the USA