



Technical Data Sheet

Polilag is made from Expanded Polyethylene (EPE)

Polilag is a closed cell, non-absorbent lagging that complies with Slab and Footings Standard AS2870

Australian Footings Standard AS2870-2011 5.6.4(a) states that :

"Closed-cell polyethylene lagging shall be used around all stormwater and sanitary plumbing drain pipe penetrations through footings.

The lagging shall be a minimum of 20mm thick on Class H1/H1-D sites and 40mm on Class H2/H2-D and Class E/E-D sites." Allows pipe movement through concrete as specified in AS3500 Part 2 Clause 3.8.2b

The density, of Polilag is 150g per square metre (30kgs per cubic metre)

Property	Test Method	Units	PE30
Density	JIS K6767-1976	Kg/m ³	28-33
Hardness*	(JIS C)	Degrees	22-27
Tensile Strength	JIS K6767-1976	kPa	350
Tear Strength	JIS K6767-1976	Kn/m	2.5
Elongation @ Break	JIS K6767-1976	%	150-200
Compressive Set**	JIS K6767-1976	%	<5
Compressive Strength (25%)	ASTM D 3575-91	kPa	45
Water Absorption	JIS K6767-1976	g/cm ³	0.002
Thermal conductivity	ASTM C 518-76	W/m. C	0.04
Service Temperature		C	-70 to +70

* Hardness is read after 2 seconds.

** compression Set @ 25% Deflection-22Hours @ 23C + 24 hour recovery

The data in this table represents typical laboratory results only, and does not represent a guarantee of performance in application.

Extinguishing Media:

Suitable extinguishing agents: CO2, extinguishing powder or water jet. Fight larger fires with water jet or alcohol m resistant foam.

Storage and Transport:

No Special handling requirements are needed for the Polilag product
Store away from ignition sources.

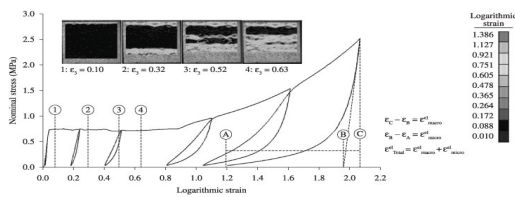


Figure 2. Uniaxial compression on direction 3 (curve via EMC and gradient via Correl).

Disclaimer: The information supplied above is to be used as a guide in the use of Polilag and whilst to the best of Polilag's knowledge, it is reliable and correct, no responsibility can be taken by the company for they way in which Polilag's selected or used.