

Permeation Comparison of untreated HDPE versus Fluorinated HDPE Pipes

	Weight loss in %	
	HDPE Untreated	HDPE Fluorinated
Petrol	77.2	1.8*
Diesel Fuel	5.1	0.05*
Fuel Oil	4.3	0.05*
White Spirit	13.0	0.1*
Xylol	70.8	4.2*
Cyclohexanone	2.9	0.6*
Heptane	37.7	0.2**
Naphtha	21.2	0.2**

Test conditions:

* 250 days at 40° C – 5 l canister, 1 mm wall thickness, non pigmented HDPE

** 28 days at 50° C – 473 ml HDPE bottle, non pigmented