

PFBE Mass Balance for PTFE Manufacture at AGCCE

Due to the small amounts of PFBE used in the PTFE grades, and that it is mostly consumed by polymerisation, this mass balance is based on process knowledge rather than analytical data and the values presented should be taken as indicative values.

	Amount of PFBE* /kg per year		
	2019	2020	2021
Polymerised in to polymer (note 1)	59	49	80
Destroyed by incineration (note 2)	3.0	2.5	4.0
Emitted to atmosphere (note 3)	0.16	0.13	0.21

* Note a separate PFBE mass balance will be produced for PFBE used in the ETFE polymerisation process.

Note 1 Assumes 95 % is polymerised in to polymer

Note 2 Assumes 95 % of residual PFBE remaining in the A/C at the end of the batch is purged to GH (and then on to incineration)

Note 3 Assumes 5 % of residual PFBE remaining in the A/C at the end of the batch is released to atmosphere

