



PE100-RC



Data:

- Full Notch Creep Test (FNCT) is the standard test to measure resistance to stress cracking
- Results show;

PE Class	Minimum Standard FNCT
PE63	30 Hours
PE80	100 Hours
PE100	300 Hours
PE100-RC	>8,760 Hours (1 Year)

- **All** Chem Resist Storage Tanks are made from **PE100-RC**



History:

HDPE developed in 1953 in Germany using catalysts and low pressure

- Generation 1 included PE32, 40, 63
- Generation 2 was PE80
- Generation 3 introduced PE100
- Early Generation PE prone to stress cracking when storing critical media such as 96% H₂SO₄ & 14% NaOCl
- PE100-RC developed to resist stress cracking



Key Benefits:

- Over 29 times more resistant to stress cracking than PE100 (If PE100 showed cracking after 10 years, PE100-RC would take 290 years)
- Over 87 times more resistant than PE80
- Highly oxidising chemicals can be stored for 20 years design life without worry of stress cracking

About Us

Chem Resist Group Limited are a long established and successful group of companies operating across both the UK and worldwide.

We are continually focussed on our commitments to our customers, product innovation and the highest levels of services and safety. We are able to offer an extensive product portfolio, from thermoplastic process plant through to an extensive range of pumps and on-site repairs and modifications.

Our policy of continual company improvement, efficiency and service makes Chem Resist Group Limited an excellent organisation to deal with.