



polymers in oil & gas

Impact Solutions has over 40 years of experience in working with polymers in the Oil and Gas industry. Formed as a spin out from BP, our scientists were involved in the creation of standards for PE80 and PE100/PE4710 pipe grade materials.

We have taken on that knowledge and experience and now apply it to:

- Failure analysis
- Product development
- Small scale testing for long term prediction
- Chemical & polymer interaction
- Composites and lightweighting

Just some of the projects we have worked on are:

- Pipes
- oil well risers
- downhole cables & pipe liners
- buoys
- PE,PP,PA,PU,PVDF,PEEK materials

UKAS Accredited Tests

Hydraulic pressure	ISO 1167-1,2
Notched pipe	ISO 13479
Hydrostatic strength	ISO 9080
Melt flow	ISO 1133
Density	ISO 1183-2
UV ageing	ISO 4892-1,2
Absorption of chemicals	ISO 16101
Tensile strength/elongation	ISO 527-1,2,3
ESCR	ISO 16770
Compatibility tests	ISO 16101
Resistance to absorption	Annex B.4.1
Resistance to ESCR	Annex B.4.2.4
Resistance to degradation	Annex B.4.3.3

Some of our other tests (non UKAS)

Slow crack growth	ISO 113479
Rapid crack propagation	ISO 13477/13478
Compound density	ISO 1183
Carbon black	ISO 6964/18553
Thermal stability	ISO 11357-6
Tensile for butt fusion	ISO 11414/13953
Elongation at break	ISO 6259 -1,3
Integrity of structure	EN 12201-2:2011

Plus many more. We don't just test - we advise, analyse and provide real world expert advice to help you solve, or identify problems before they occur.

Contact us today on info@impact-solutions.co.uk to find out how we can deliver value to you.