

INEOS Compounds

The global specialist for PVC Compounds

PVC compounds for medical applications



PVC compounds for medical applications

INEOS Compounds

As part of the INEOS Group, one of the world's leading chemical companies and the largest PVC producer in Europe, INEOS Compounds can draw on 100 years of experience in anticipating and satisfying the needs and expectations of our customers. First class service, product and technical innovation, cost leadership and capacity expansion have been vital to our success.

With three medical compound manufacturing plants in Europe, INEOS Compounds is a market leader for medical quality PVC compounds.

Based in County Durham, in the North East of England, INEOS Compounds' medical production unit at Newton Aycliffe is part of the largest single-site PVC compounder in Europe.

Medical materials for Scandinavia and

Northern Europe are served from INEOS Compounds Sweden. Our Swiss plant at Sins is ideally placed to supply compounds destined for Central and Eastern Europe.

Manufacturing Excellence

Consistent, medically approved, quality compounds have been produced by INEOS Compounds for over 50 years. Throughout this time, we have been at the forefront of medical compound development. Dedicated



“Consistent, medically approved, quality compounds have been produced by INEOS Compounds for over 50 years.”



plant, sourcing of approved raw materials, extensive testing facilities and state-of-the-art technology have enabled us to secure medical grade approvals from regulatory bodies throughout the world. This process is administered by our own regulatory affairs manager, who is in direct contact with these authorities.

INEOS Compounds' range of PVC medical compounds (**Hy-vin[®]**, **Evicom** and **Norvinyl**)

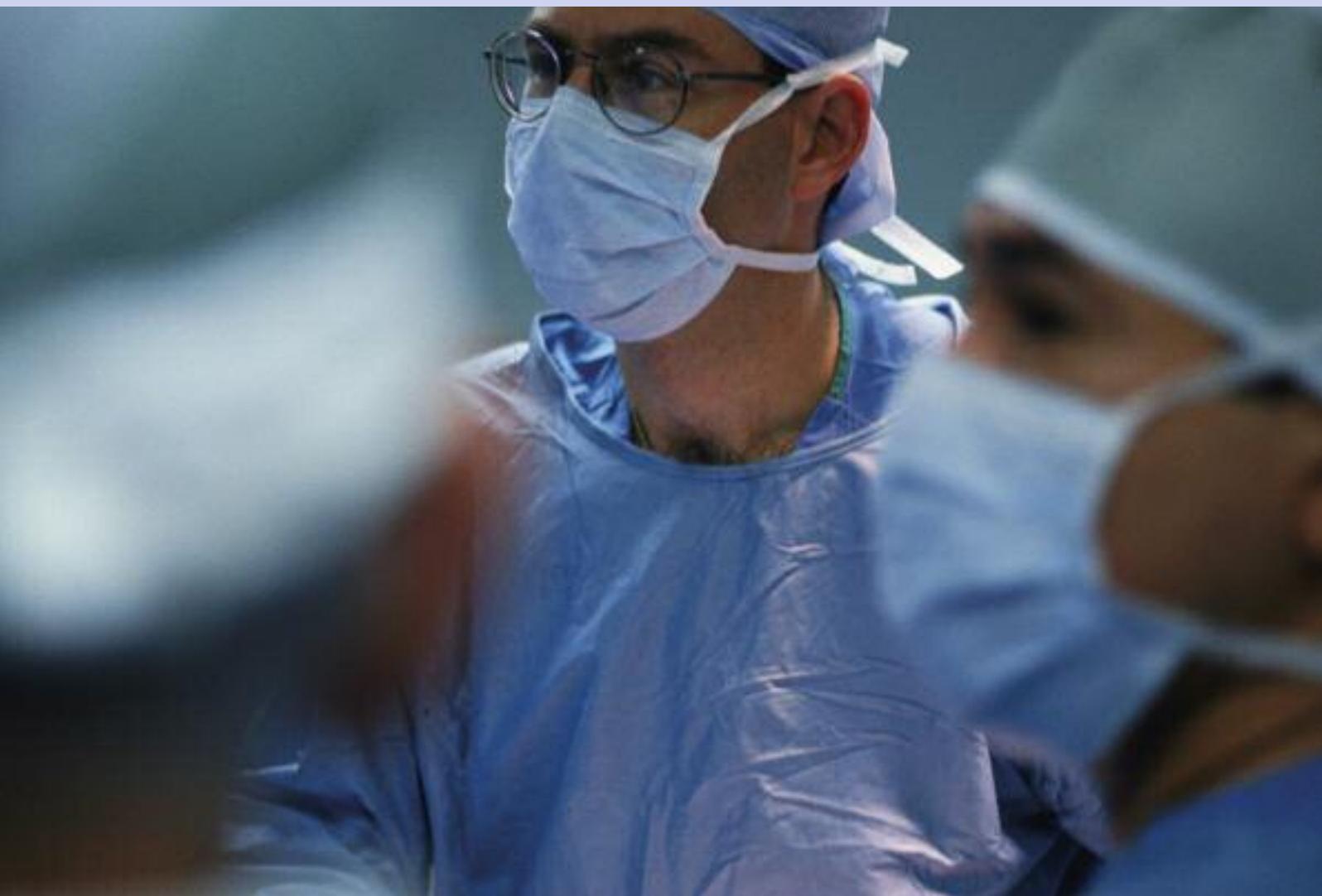
comply with a comprehensive range of specifications and regulatory requirements. Typically these include both European and United States Pharmacopoeia, as detailed on the back of this brochure.

Enhanced performance

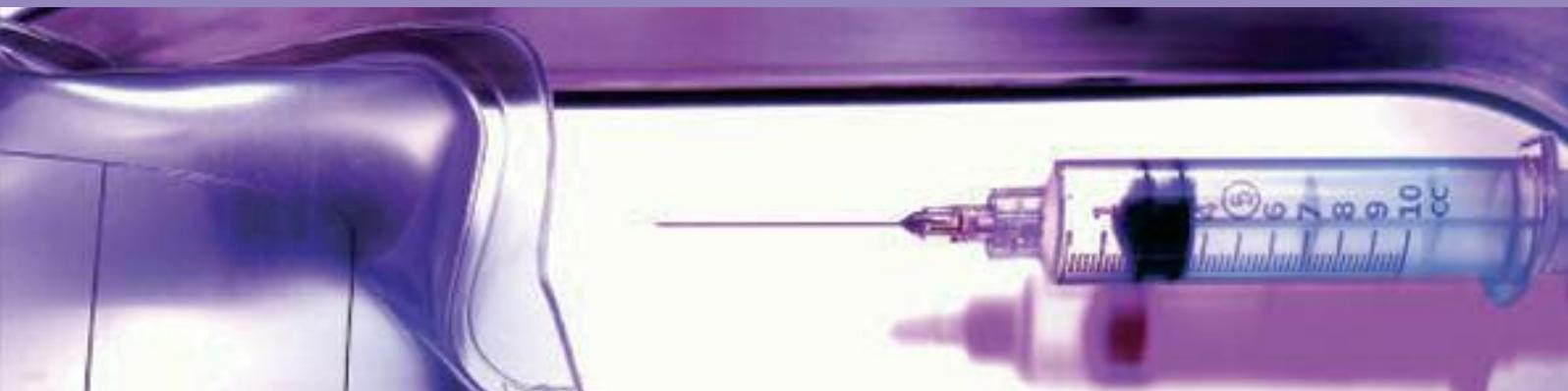
INEOS Compounds is dedicated to supporting the medical device industry by producing and developing advanced medical grade formulations. All materials are subject

to continual evaluation to meet new requirements and enhance performance – ensuring maximum patient safety.

As a responsible industrial representative, INEOS plays an active role in key European task groups to this end.



A centre of excellence



Service and supply

INEOS Compounds offers the security of supply made possible only by being part of a global operation. Economies of scale and long term, dependable supplies of raw materials for PVC production bring valuable benefits to our operation, and in turn to our customers.

First class service, from new product development through to delivery, is synonymous with the INEOS name. INEOS Compounds' highly qualified technical experts work with customers to satisfy processing and specification needs, and to tailor products to their own specification when required.

Our representatives are regionally based and work in association with an established network of agents around the world. They are backed by a headquarters logistics operation, which we believe to be second to none.

The product range

Our comprehensive portfolio of products caters for most of today's typical application requirements and offers a wide selection of colours and finishes.

INEOS Compounds' standard range of medical grades can be used in high clarity extrusions and moulding applications, such as blood tubing, heart lung by-pass kits, I.V. bags, face masks and numerous other medical devices. A range of hardnesses is available from soft flexible, to hard and rigid.

Development of customer specific grades are available on request.

Our commitment to sustainability

PVC is integral to the lives and lifestyles of peoples across the globe; from business to domestic use, PVC proves its benefit to society day after day.

INEOS is fully supportive of the European wide voluntary commitment known as 'Vinyl 2010' (www.vinyl2010.org).

Through its research and development work, INEOS Compounds continually strives to improve its products.



“INEOS Compounds offers the security of supply made possible only by being part of a global operation.”

INEOS Compounds is part of the INEOS Group, a global manufacturer of petrochemicals, specialty chemicals and oil products. It comprises 17 businesses each with a major chemical company heritage. Its production network spans 64 manufacturing facilities in 14 countries throughout the world.

Leading market positions allow INEOS to be the supplier of choice for many of the largest customers in our markets. This has translated into strong and long-term relationships with these customers.

The company continues to grow through:

- Leveraging existing resources to expand sales
- Achievement of cost savings
- Extracting the full benefits of a vertically integrated business





“Innovation is an integral part of INEOS Compounds’ strategy.”

Continuous improvement

Innovation is an integral part of INEOS Compounds’ strategy and this has been responsible for many of the advances we have made in the field of medical PVC compounds. Our specialist product ranges include:

- > **Gamma Irradiation Resistant (GIR) compounds that help maintain colour when subject to irradiation sterilisation**
- > **superior elastomeric recovery extrusion compounds e.g. for peristaltic pump tubing**
- > **non-DOP compounds for specialised applications**
- > **a range of frosted semi-opaque finishes which provide additional options**
- > **anti-microbial grades utilising silver-ion technology**

A culture of continuous improvement lies at the heart of INEOS Compounds’ success. Excellence in business and work processes continues to enhance our service and satisfy our customers.

INEOS Compounds has invested heavily in expanding PVC compound manufacturing at all European sites.

We have the expertise, commitment and uncompromising attitude to quality that ensures our customers achieve their key business objectives.



INEOS Compounds Newton Aycliffe, UK

INEOS Newton Aycliffe Limited
School Aycliffe Lane,
Newton Aycliffe
Co. Durham DL5 6EA
United Kingdom

Tel: +44 (0)1325 300555
Fax: +44 (0)1325 300215

INEOS Compounds Sins, Switzerland

INEOS Compounds Switzerland AG
Bremgartenstrasse
CH-5643 Sins
Switzerland

Tel. +41 41 78 98 200
Fax +41 41 78 98 234

INEOS Compounds Helsingborg, Sweden

INEOS Compounds Sweden AB
Gevärgatan 4
250 22 Helsingborg
Sweden

Tel. +46 42 250 200
Fax +46 42 250 280

When processed under suitable conditions, INEOS Compounds' standard range of PVC medical compounds have demonstrated compliance with the following specifications.

Typical chemical tests comply with:

- > European Pharmacopoeia
Monographs 3.1.1.1, 3.1.1.2 and 3.1.14
(2002) for materials based on flexible PVC
- > British Standard 2463 Freedom from Toxicity (Chemical Tests).

Typical biological tests comply with;

- > Certain requirements of ISO 10993 –
Biological Evaluation of Medical Devices
- > Requirements of the US Pharmacopoeia
“Biological Tests for Plastics”

Safety, Health and Environment



SHE Charter

INEOS Compounds is committed to building and sustaining a world class SHE performance which we believe is fundamental to achieving success.

By having a real passion for safety, health and the environment we will drive on towards our goal of zero harm to our employees, our families, our contractors, our customers, the public and the community.

Information in this publication is to the best of our knowledge true and accurate at time of going to press. However, since conditions under which our products may be used are beyond our control, recommendations are made without warranty or guarantee. Achievement of performance is dependant on processing, fabrication and installation conditions and users are recommended to establish for themselves that any INEOS materials supplied are satisfactory for their requirements. This statement does not affect the statutory rights of consumers.