

BIOVYN™ PVC S5745

TYPE

Bio-attributed polyvinyl chloride homopolymer produced by suspension polymerisation.

TYPICAL PROPERTIES

Property	Reference standard	Unit	Typical value*
K-value	ISO 1628-2	-	57
Apparent bulk density ¹	ISO 60	kg/dm ³	0.580
Retained on 250 µm	ISO 2591-1	%	≤ 2
Retained on 63 µm	ISO 2591-1	%	≥ 95
Volatiles content	ISO 1269	%	≤ 0.4

¹with antistatic agent addition

* The above mentioned data are typical test values measured on the products ; they have to be used as a guide only and can in no event be considered as specifications.

PROCESSING TECHNIQUES

After mixing with appropriate additives, BIOVYN™ PVC S5745 is suitable for processing by a number of techniques including calendering, extrusion and injection moulding.

APPLICATIONS

BIOVYN™ PVC S5745 is typically used for the following applications:

- rigid film for packaging and technical films
- rigid compact and foamed sheets
- rigid compact and foamed profiles
- rigid foam core pipes
- pipe fittings
- rigid and soft injection moulded articles
- bottles made by a variety of blow moulding techniques.

Some applications of this product may be regulated or restricted by applicable laws and regulations or by national or international standards, which may among other concern medical devices, pharmaceutical industry, cosmetics packaging, personal care packaging, food, food additives, feed packaging, drinking water, water treatment, etc. The buyer and the eventual user, in his sole and entire liability, shall respect those standards, orders of any relevant authority, and all existing patents and intellectual properties rights; and shall comply with the laws, regulations, standards and/or recommendations applicable to our products and/or to his activity, to their final articles and/or their use. The buyer and the eventual user must independently determine the suitability of this product for any particular purpose and its manner of use.

The information above is provided for our customers only (we accept no liability to any third parties). It reflects our current knowledge and experience of the product and is accurate as of the date of this document. However we do not make any warranty, express or implied or accept any liability in connection with this information or



its use. All products are supplied in accordance with our general terms and conditions of sale. This information is for use by technically skilled persons at their own discretion and risk. We accept no liability for the effects of any chemical combinations with any other substance, processes or mixtures of the product which are carried out by our customers or third parties. The users must finally determine suitability of any information or material for any contemplated use. We reserve our right to make additions, deletions, or modifications to the information at any time without prior notification.

Users of INEOS Inovyn's products should consult the appropriate INEOS Inovyn's Health and Safety literature, or SDS which is available from your sales or technical representative.

In this context, INEOS Inovyn remains available for any further technical information such final article manufacturer may need in that regard.

It is the responsibility of the customer and producer of the end product to ensure that the final material or article complies with all relevant regulations. INEOS Inovyn's products are supplied only on the strict understanding that the customer and the producer of the end product will ensure that the regulations have been complied with. If guidance is required regarding the use of INOVYN™ PVC and BIOVYN™ PVC, please seek assistance from your sales or technical service representative or visit www.inovyn.com.

SUSTAINABILITY

As an industry leader and world-class producer of chlor-alkali and vinyl materials, our products are fundamental to modern society. We embrace the responsibility that accompanies this influential position, and as European market leader, understand our potential to effect **positive change throughout our value chains**.

INEOS Inovyn's strategy towards sustainability is embedded within our **four key pillars** and we aim to position ourselves as an innovation pioneer, developing new solutions at every stage of the journey. Our sustainability pillars are:

Pilar 1 - Responsible production :

Striving for zero incidents and taking an industry-leading approach on the health of our employees, partners involved in the value chain and our impact on the environment.

Pilar 2 - Carbon neutrality :

Accelerating the transition to a Net Zero carbon economy.

Pilar 3 - Circularity :

Advancing circular solutions to maximise efficient use of resources and ensure the long-term value of our products.

Pilar 4 - Value to society :

Products : ensuring that our products continue to bring significant value to society.

People : ensuring that our employees are valued and INEOS Inovyn plays a positive impact on society and the communities in which we operate.

Our ambition is to **provide leadership through sustainable innovation**.

By harnessing INEOS Inovyn's expertise and technologies, we will meet evolving customer needs and deliver products that are essential to modern life.

At INEOS Inovyn, we are members of the leading European Industry associations that align with our portfolio and interests, and that share the same drive towards a sustainable future for our industry.

INOVYN™, BIOVYN™, RECOVYN™ and NEOVYN™ are trademarks, the property of INOVYN ChlorVinyls Limited.

INEOS™ is a trademark, the property of INEOS Capital Limited.

For the complete trademarks statement, please consult: <https://www.inovyn.com/information/trademark-statement/>.



TDS BIOVYN™ PVC S5745			
Date	March 2024	Issue	02