



Medical

ModenPlast



PVC medical compounds

Qualified medical compounds for tubing, containers and components

A unique expertise in medical compounds

Part of BENVIC Group, ModenPlast has been developing and producing for more than 50 years medical grade PVC compounds. ModenPlast products are suitable for extrusion, injection and blow molding.

With integrated manufacturing and laboratory, we are capable to develop, qualify and manufacture different types of medical PVC compounds following indication of the customer. Led by experts, our compounds are recognized on the market regarding their performances, features and quality.

As producer of medical tubing, we have developed in house expertise for extrusion process which is proof of expertise to optimize PVC process ability.

Located near the “medical hub” in Italy, close to the other BENVIC Group medical facility, Luc & Bel, to allow a forward integrated offering for medical fluid systems. Modenplast is working as well in synergies with the others locations of the BENVIC Group in terms of logistics and technologies which allow to offer innovative and bespoke PVC compounds.



Recognized for ability to adapt and develop medical compounds, Modenplast is a key partner for all your specific demands.

As dedicated to medical applications, we are complying in terms of choice, performance and quality: this is the daily challenge which is met.

**Capabilities
and know-how
to meet
performance
expectations**

Range and development capabilities Compounds are developed on demand for which hardness can be modulated from 52 ShA to 78 Sh D that allow to covers a huge range of applications in terms of medical tubing and containers.

All compounds are formulated using only raw materials in accordance with European Pharmacopoeia current edition. All product ranges have been awarded DEHP free to meet medical sector requirements.

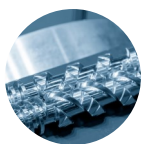
Total quality system is the final aim for Modenplast. As ISO 13458:2016 and ISO9000:2015 certified, our compound production is fully monitored by control system. To manage complete conformity with the norms applied, our in house laboratory is performing a full range of testing such as :

- Appearance of the eluate
- Oxidable substances
- Acidity & alkalinity
- UV spectrum
- Hardness
- Thermal stability
- Extrudability tests
- Density

Third party analysis is regularly done to make sure that compliance to European Pharmacopoeia and the corresponding rule, USP Class VI and ISO10993-1 are met

Able to develop any bespoke compounds, BENVIC Modenplast is able to support any demand based on the general compounds shown hereafter.

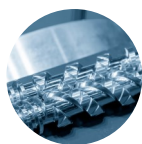




P-PVC medical compounds for extrusion

	Plasticier	Main features or applications	Hardness (Sh A)	Certifications	Country of origin	Presentation
RB5/M NDG	TOTM	Medical tubing Peristatic pump segments	52	ISO 10993 –1	IT	Pellets
RB5 NDG	TOTM	Medical tubing Peristatic pump segments	60	ISO 10993 –1	IT	Pellets
RB5/D NDG	TOTM	Medical tubing Peristatic pump segments	63	ISO 10993 –1	IT	Pellets
RB/LL NDG	TOTM	Medical tubing	68	ISO 10993 –1	IT	Pellets
RB6 NDG	TOTM	Medical tubing	68	ISO 10993 –1	IT	Pellets
RB4 NDG	TOTM	Medical tubing	70	ISO 10993 –1	IT	Pellets
RB3/M NDG	TOTM	Medical tubing	73	ISO 10993 –1	IT	Pellets
RB3 NDG	TOTM	Medical tubing	75	ISO 10993 –1	IT	Pellets
RB3-N.D.G.-PROT.-U.V	TOTM	Medical tubing UV resistant	75	ISO 10993 –1	IT	Pellets
RB3/D NDG	TOTM	Medical tubing	78	ISO 10993 –1	IT	Pellets
RB1 NDG	TOTM	Medical tubing	81	ISO 10993 –1	IT	Pellets
RB1/T3MS NDG	TOTM	Lay flat tubing	83	ISO 10993 –1	IT	Pellets
RB1/T3M NDG	TOTM	Lay flat tubing	84	ISO 10993 –1	IT	Pellets
RB1/DU NDG	TOTM	Medical tubing	91	ISO 10993 –1	IT	Pellets
RB5/M DEHT	DEHT	Medical tubing Peristatic pump segments	52	ISO 10993 –1	IT	Pellets
RB5/S DEHT	DEHT	Medical tubing Peristatic pump segments	57	ISO 10993 –1	IT	Pellets
RB5 DEHT	DEHT	Medical tubing Peristatic pump segments	60	ISO 10993 –1	IT	Pellets
RB5/D DEHT	DEHT	Medical tubing	63	ISO 10993 –1	IT	Pellets
RB6 DEHT	DEHT	Medical tubing	68	ISO 10993 –1	IT	Pellets
RB4 DEHT	DEHT	Medical tubing	70	ISO 10993 –1	IT	Pellets
RB3/M DEHT	DEHT	Medical tubing	73	ISO 10993 –1	IT	Pellets
RB3 DEHT	DEHT	Medical tubing	75	ISO 10993 –1	IT	Pellets
RB3/D DEHT	DEHT	Medical tubing	78	ISO 10993 –1	IT	Pellets

Nota: Compounds based on DEHP plasticizers are not included inside this catalogue. Please consults your sales representative for any details and availability on such products.



P-PVC medical compounds for extrusion

Presentation	Country of origin	Certifications	Hardness (Sh A)	Main features or applications	Plasticier
Pellets	IT	ISO 10993 -1	81	Medical tubing	DEHT
Pellets	IT	ISO 10993 -1	83	Lay flat tubing	DEHT
Pellets	IT	ISO 10993 -1	84	Lay flat tubing	DEHT
Pellets	IT	ISO 10993 -1	91	Medical tubing	DEHT



PVC medical compounds for injection

Presentation	Country of origin	Certifications	Hardness (Sh A)	Main features or applications	Plasticier
Pellets	IT	ISO 10993-1	81	Various components	TOTM
Pellets	IT	ISO 10993-1	86	Various components	TOTM
Pellets	IT	ISO 10993-1	90	Various components	TOTM
Pellets	IT	ISO 10993-1	92	Various components	TOTM
Pellets	IT	ISO 10993-1	81	Various components	DEHT
Pellets	IT	ISO 10993-1	86	Various components	DEHT
Pellets	IT	ISO 10993-1	90	Various components	DEHT
Pellets	IT	ISO 10993-1	92	Various components	DEHT

Support

As leading specialist of compounding, Modenplast supports its customers during the whole production process, from design to manufacturing to after-sales services. For any support, please contact your closest BENVIC sales representative or consult our website or modenplast.com or benvic.com.

Technical data sheets, processing recommendations and other supporting data are available upon demand. The information given here above is general commercial information, cannot be considered as a specification and can change without prior notice. Benvic also supports customers through continuous adaptation of its products: please contact your nearest sales representative for technical support.



Semi rigid PVC medical compounds for injection

<i>Presentation</i>	<i>Country of origin</i>	<i>Certifications</i>	<i>Hardness (Sh D)</i>	<i>Main features or applications</i>	<i>Plasticier</i>
Pellets	IT	USP Class VI	65	Various components Tin stabilized	TOTM
Pellets	IT	USP Class VI	65	Various components Ca/Zn stabilized	DEHT



U-PVC compounds for injection / blow molding

<i>Presentation</i>	<i>Country of origin</i>	<i>Certifications</i>	<i>Hardness (Sh D)</i>	<i>Main features or applications</i>	<i>Plasticier</i>
Pellets	IT	USP Class VI	75	Various components Ca/Zn stabilized	-
Pellets	IT	USP Class VI	75	Various components Gamma resistant	-
Pellets	IT	USP Class VI	77	Chamber Blow molding	-
Pellets	IT	USP Class VI	78	Various components Available in white	-



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