

PHARMA-
PACKAGING



RUBBER CLOSURES

SERUM & LYOPHILIZATION STOPPERS FOR VIALS



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NIPRO PHARMAPACKAGING

Nipro PharmaPackaging is specialized in developing and manufacturing advanced pharma packaging products and complete packaging solutions for early development drugs or enhancement of packaging solutions of existing drugs.

With a worldwide manufacturing footprint of 19 plants, multiple sales offices and internal lab services, Nipro PharmaPackaging offers an exceptional service platform. Through its personnel, products and services, Nipro PharmaPackaging enables you to provide a safer and healthier administration to your customers.

Nipro PharmaPackaging is part of the Japanese Nipro Corporation, established in 1954. With over 20000 employees worldwide, as a leading global healthcare company, Nipro serves the "Pharmaceuticals", "Medical devices" and "Pharma packaging" industries.



OPTIMAL EXTRACTABLE LEVELS

Extensive studies show optimal extractable levels. Heavy metals are not present in levels that can cause toxicity/ reaction with drugs. Our wide range of customized compounds allows us to provide the best possible solution for any drugs so far. Compatibility with international pharmacopoeia standards (EP, USP, JP, and IP) is guaranteed. Furthermore, absence of latex, nitrosamines, phthalates, BSE/TSE and MBT can be confirmed.

EXCELLENT STERILIZATION PROPERTIES

The excellent sterilization properties ensure that the endogenous particulate release is not increased during autoclave processing. Additionally an excellent resistance to gamma irradiation and heat aging (ASTM) can be observed.

ADVANCED RUBBER FORMULATION

Our advanced rubber formulations provide low fragmentation due to an exact blend of ingredients. They prevent particulates caused by stopper-to-stopper abrasion and display adhesion free, non-sticky characteristics because of siliconization/washing.

Nipro offers high quality vials stoppers for pharmaceutical products!



LONG-TERM EXPERTISE IN RUBBER CLOSURES

Nipro, with more than 30 years of experience, is a leading manufacturer of injectable rubber components for the pharmaceutical industry in Japan. Plants in Japan comply with local and international standards as ISO 9001, ISO 15378 and GMP controlled processes. Additionally our products and processes are DMF registered. Given Nipro's evident commitment to provide high quality products and convincing services, Nipro is valued by its medical and pharmaceutical customers.



In 2013 Nipro PharmaPackaging has setup a high-tech greenfield plant in India, to better serve our customer base outside of Japan. Our plant has been designed and built up incorporating Japanese expertise with the aim to provide superior quality.



THE RIGHT CLOSURE FOR YOUR VIAL

The development of an increasing number of demanding biotech drugs and stricter regulatory scrutiny, increase the demand of pharmaceutical drug manufacturers for innovative packaging solutions.

The chosen primary packaging with all the related components needs to comply with the highest quality standards, aiming to ensure consistent quality throughout the entire shelf-life of the drug. Nipro PharmaPackaging vial stoppers are developed, designed, manufactured and packed to master those challenges.



RUBBER FORMULATIONS

Nipro formulations provide high chemical inertness, low permeability and resistance to fragmentation. Customized formulations and additional treatments of the rubber are available upon request (types of rubbers: bromobutyl, chlorobutyl).

PACKAGING SOLUTIONS

Nipro offers an extended range of packaging solutions. Our RFU components are washed, siliconized, rinsed (WFI), in-house gamma sterilized and packed in special clean bags allowing a direct transfer into your filling process. This approach further reduces the risks of contamination and provides you with the means to optimize your filling line efficacy.

- **READY-FOR-USE (RFU)**
Washed, Siliconized, Rinsed (WFI), Sterilized, Packed (special clean bag)
- **READY-FOR-STERILIZATION (RFS)**
Washed, Siliconized, Rinsed (WFI), Packed (autoclavable Tyvek bag)

COMMITTED TO QUALITY

Our manufacturing process has been designed with the target to manufacture products that meet and exceed prevailing market standards and customer requirements. Our production sites comply with the latest standards ISO 9001 and GMP guidelines. Our in-house gamma sterilization is ISO 9001, ISO 15378 certified. Additionally our products and processes are DMF registered.

Nipro rubber closures comply with all major pharmacopoeia requirements (USP, EP, JP and IP).

A PARTNERSHIP TO TRUST IN

Strong investment in R&D, production capabilities and human capital enables Nipro PharmaPackaging to provide you with cutting edge product solutions – today and in the future.

CLOSURES FOR VIALS



SERUM STOPPERS

FOR NECK Ø (mm)
13
20
32



LYOPHILIZATION STOPPERS

FOR NECK Ø (mm)
13
20