



# GLASS AMPOULES

FOR PHARMACEUTICAL APPLICATIONS



Glass ampoules are economical and well-proven primary containers for a diverse range of drug products. As a long standing, global manufacturer for the pharmaceutical industry, Nipro PharmaPackaging has acquired extensive experience to offer unparalleled service in ampoule development and production.

Stringent quality systems (ISO 15378, ISO 14001, ISO 45001, ISO 50001, ISO 14644) govern all our processes, resulting in ampoules strictly compliant to pharmacopeia (USP, EP, JP) and prevailing industry standards.

## Precisely Formed

Each ampoule is carefully monitored throughout the entire manufacturing process. The 100% in-line visual camera inspection ensures precise dimensional forming of the ampoules according to agreed quality specifications.

**The ampoules yielded support fast and easy fill-finish operations.**



## Stable Break Force

The force necessary to open an ampoule is an essential factor. Nipro carefully controls the break-force required to open an ampoule during the production process. As a result, Nipro ampoules offer a stable break force thereby **facilitating an easy opening by end-users.**

## Premium Glass Quality

Nipro's eNhanse glass tubing NSV51 is an excellent raw material for ampoules. Our borosilicate glass (Type I) complies to prevailing Pharmacopoeias (USP, JP, EP) and offers excellent results for extractables and leachables. It contributes to **drug stability during the entire shelf life.**





# Product Range



## Form B

Volume (ml)	Outer Ø – Body (mm)	Total Height (mm)	Wall Thickness (mm)
1 – 25	10.75 – 22.50	60 – 128	0.5 – 0.7



## Form C

Volume (ml)	Outer Ø – Body (mm)	Total Height (mm)	Wall Thickness (mm)
1 – 25	10.75 – 22.50	67 – 135	0.5 – 0.7



## Form D

Volume (ml)	Outer Ø – Body (mm)	Total Height (mm)	Wall Thickness (mm)
1 – 20	10.75 – 22.50	70 – 126	0.5 – 0.7



## Fine Tip

Volume (ml)	Outer Ø – Body (mm)	Total Height (mm)	Wall Thickness (mm)
1 – 20	10.75 – 22.50	45 – 100	0.5 – 0.7



## Double Tip

Volume (ml)	Outer Ø – Body (mm)	Total Height (mm)	Wall Thickness (mm)
1 – 20	8.25 – 19.12	60 – 135	0.5 – 0.7



Options	Form B   Form C   Form D   Fine Tip	Double Tip
Code rings	Up to 3 (max. 3 colors)	Up to 2 (max. 2 colors)
Printing	Ceramic (max. 2 colors)	
Surface treatment	With or w/o Teflon (natural fiber brush)	—
Breaking system	Color Break Ring, Open Point Cut, Scoring Ring	Color Break Ring, Scoring Ring

Nipro PharmaPackaging is specialized in developing and manufacturing advanced pharma packaging products and complete packaging solutions for early development drugs or the enhancement of packaging solutions for 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 our personnel, products, and services, Nipro PharmaPackaging enables you to provide a safer and healthier administration to your customers.

Nipro PharmaPackaging is part of Nipro Corporation Japan, established in 1954. As a leading global healthcare company with over 35.000 employees worldwide, Nipro serves the Pharmaceutical, Medical Device, and Pharma Packaging industries.

