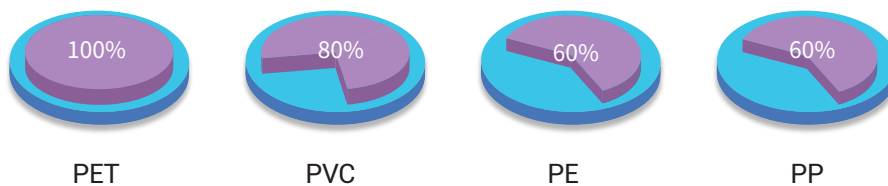


Z302 General Purpose Resin

Product features >>

Z302 is a UL-recognized general-purpose resin built for flat-head printing environments where mechanical abrasion, chemical exposure, and elevated temperatures are daily challenges. It delivers dense, durable images with excellent edge definition, maintaining performance even under aggressive handling or solvent contact. Z302 is highly compatible with a broad range of synthetic labels, polyester tags, and other durable substrates, a trusted solution for industrial, automotive, and chemical labeling applications that require resistance without compromise.

Recommended substrates >>



Printing characteristics >>

Ink color	Black
Color density	≥ 1.5 (test on X-Rite tester)
Abrasion resistance	≥ 90 times (500g weight, test on CS-10 rub tester)
Alcohol resistance	≥ 60 times (500g weight, 95% ethyl alcohol, test on PET labels)

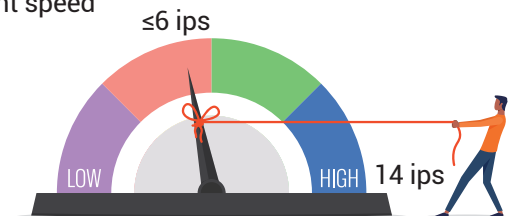
Recommended printing conditions >>

Printer mode



Flat head

Print speed

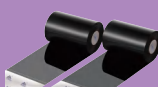


Desktop printers, Industrial printers

※Depending on the type of printer and material of substrates, the printing performance may vary.

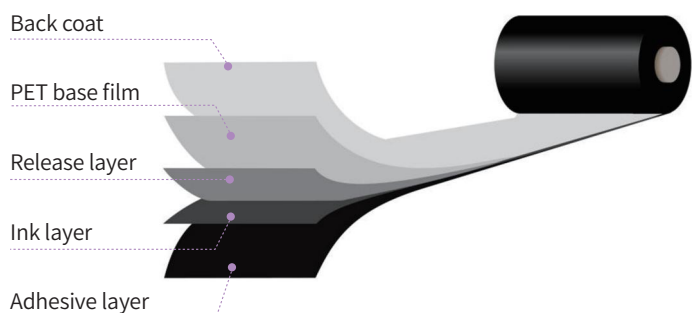


Scan to get a quote directly



Z302 General Purpose Resin

Technical specifications >>



Base film	BOPET
Total ribbon thickness (μm)	6.9±0.5
Storage conditions	-5°C~40°C 20%~85% Relative Humidity
Base film thickness (μm)	4.5±0.2
Ink melting point	100°C
Shelf life	1 year

Certified product >>



RoHS 2.0



REACH



ISO9001/14001/45001



MSDS



UL



HALOGEN FREE

Application scenario >>



Cosmetic label



Tire identification



Car manufacturing



Electronic processing



Medical packaging



Outdoor signs



Solar photovoltaics



Steel Industry



New Lithium Battery