

Z203 Ultra Wax/Resin

Product features >>

Z203 is an ultra-performance wax/resin ribbon that bridges the gap between traditional wax/resin and resin formulations. Built on a highly responsive ink system and a thin polyester base, it enables fast, low-energy printing while delivering durability levels typically associated with pure resin ribbons. Z203 performs exceptionally well in applications that require abrasion resistance and stable imaging under cold-chain or refrigerated conditions, making it an ideal solution for medical, pharmaceutical, and electronics labeling where both speed and image integrity are essential.

Recommended substrates >>



Coated Papers



Tags



PP



PVC



PE

Printing characteristics >>

Ink color	Black
Color density	≥ 1.7 (test on X-Rite tester)
Abrasion resistance	≥ 500 times (200g weight, test on coated papers)
Alcohol resistance	≥ 20 times (500g weight, 95% ethyl alcohol, test on PET labels)

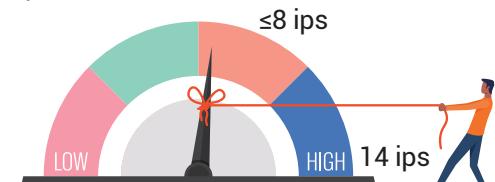
Recommended printing conditions >>

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.

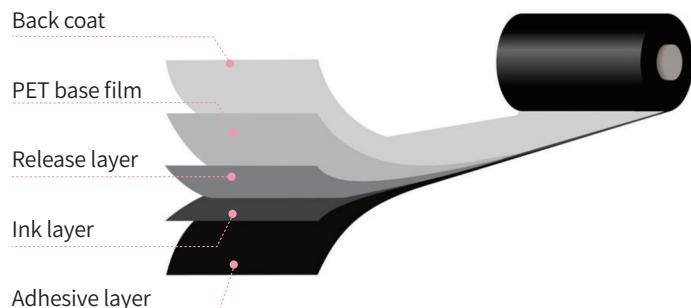


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Technical specifications >>



Base film	BOPET
Total ribbon thickness (μm)	5.9±0.5
Storage conditions	-5°C~40°C 20%~85% Relative Humidity
Base film thickness (μm)	3.5±0.2
Ink melting point	95°C
Shelf life	1 year

Certified product >>



RoHS 2.0



REACH



ISO9001/14001/45001



MSDS



UL



HALOGEN FREE

Application scenario >>



Commercial retail



Storage



Logistics



Nursery gardens
and flowers



Clothing tag



Luggage



Fixed assets