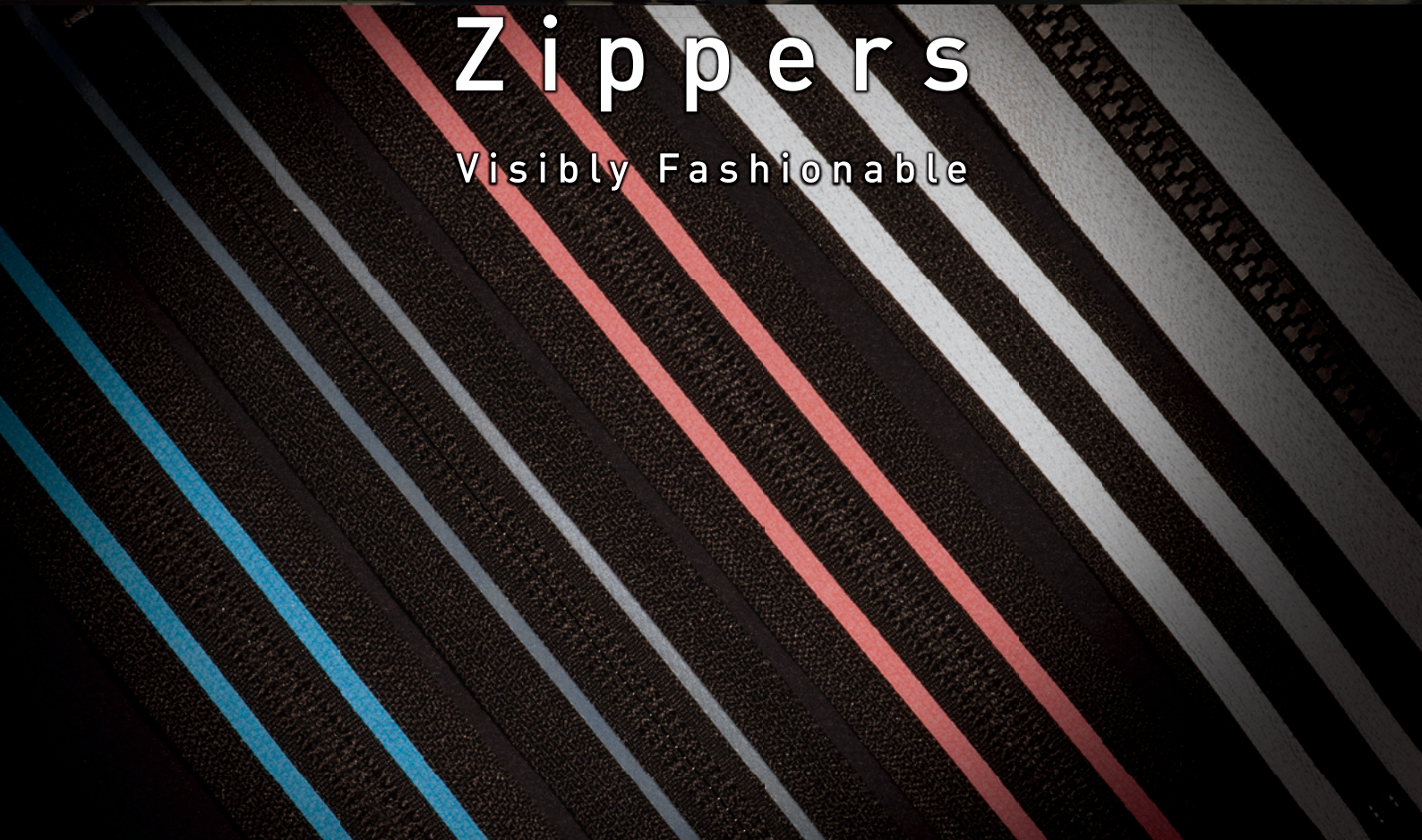




Reflective Zippers

Visibly Fashionable



YKK™

Little Parts. Big Difference. >>>

Adhesive

Reflective Type	Silver
Color / Pattern	—
Film Width	Available film width differs by chain type. Please ask YKK staff for more details.
Candle Power (cd/lux/m ²) (Angle of Incidence : 5° Observation Angle : 0.2°)	300
Size	3 , 5 , 8 (RC)
Item Availability	Coil , VISLON® , CONCEAL® , Racquet Coil



Reflective Type	Gold
Color / Pattern	—
Film Width	2mm
Candle Power (cd/lux/m ²) (Angle of Incidence : 5° Observation Angle : 0.2°)	50
Size	3 , 5
Item Availability	Coil , VISLON®

Reflective Type	Color
Color / Pattern	Black
	Red
	Blue
	Violet
	Brown
Film Width	3mm
Candle Power (cd/lux/m ²) (Angle of Incidence : 5° Observation Angle : 0.2°)	300
Size	3 , 5
Item Availability	Coil , VISLON®



Black



Red



Blue



Violet



Brown

Reflective Type	Aurora
Color / Pattern	—
Film Width	2mm
Candle Power (cd/lux/m ²) (Angle of Incidence : 5° Observation Angle : 0.2°)	140
Size	3 , 45 (Coil) , 5
Item Availability	Coil , VISLON®



Reflective Type	Clear
Color / Pattern	—
Film Width	2mm
Candle Power (cd/lux/m ²) (Angle of Incidence : 5° Observation Angle : 0.2°)	50
Size	3 , 45 (Coil) , 5
Item Availability	Coil , VISLON®



Woven-in

Reflective Type	Silver		
Color / Pattern	1 line	2 line	3 line
Film Width	1mm	1mm	1mm
Candle Power (cd/lux/m ²) (Angle of Incidence : 5° Observation Angle : 0.2°)	300		
Size	3 , 5		
Item Availability	Coil		



Knitted



Reflective Type	Silver	
Color / Pattern	1 line	2 line
Film Width	0.7mm	0.7mm
Candle Power (cd/lux/m ²) (Angle of Incidence : 5° Observation Angle : 0.2°)	390	
Size	3 , 5	
Item Availability	Coil	

Others

Reflective Type	Silver
Color / Pattern	Print pattern
Film Width	5mm only
Candle Power (cd/lux/m ²) (Angle of Incidence : 5° Observation Angle : 0.2°)	300
Size	5
Item Availability	Coil



Reflective Type	Silver
Color / Pattern	Laser cut pattern
Film Width	Film width can be customized upon request.
Candle Power (cd/lux/m ²) (Angle of Incidence : 5° Observation Angle : 0.2°)	300
Size	3 , 5
Item Availability	Coil

Reflective Type	Silver
Color / Pattern	Water repellent
Film Width	Both side / Single side (the other side, choose from VT9 color)
Candle Power (cd/lux/m ²) (Angle of Incidence : 5° Observation Angle : 0.2°)	300
Size	3 , 5 , 8
Item Availability	VISLON® AquaGuard® (Item Code: VT9)



Reflective Type	Black
Color / Pattern	Water repellent
Film Width	Both side / Single side (the other side, choose from VT9 color)
Candle Power (cd/lux/m ²) (Angle of Incidence : 5° Observation Angle : 0.2°)	30
Size	3 , 5 , 8
Item Availability	VISLON® AquaGuard® (Item Code: VT9)



Smart Use of Zippers

Please test the zipper in the intended applications and check the actual performance level of reflectivity prior to confirming its use.

Reflective film may enhance visibility but does not guarantee any level of visibility or safety.

Item	Washing Times	Film peels off	Initial Reflective Brightness R_{acd} ($\text{lux}^{-1} \cdot \text{m}^2$)
Zipper	0	No	300
	25 Times	No	100

Washing test conducted based on AATCC 135.

Reflective brightness measured based on ASTM E809 and E810 (Ra) & CIE 54:1982(R').

Accessories such as buckles that could come in contact with the film surface during washing may affect the result.

The number of washing test cycle is just for reference.

Care Instructions :

- Machine washing & drying safe, but only with water & drying temperature under 40°C and 60°C respectively. Turn garments inside out. Do NOT use alkaline detergent.
- Do not soak, Bleach, or Dry-clean, as they may damage the reflective film or cause it to peel off and lose its effect.
- Iron with low temperature (Under 80°C) without steam, with ironing cloth on the zipper.

Please Note :

- Candle power ($\text{cd} / \text{lux} / \text{m}^2$)(Angle of Incidence: 5°, Observation Angle: 0.2°) is a reference value measured as a reflective film / yarn.
- Color difference is not guaranteed for color reflective zippers.
- For print pattern and laser cut, candle power (300) is a reference value for the silver reflective film. The print/laser parts where there is no film on the surface do not have a reflective function.
- Minor print missing may occur for print pattern zippers.
- Designs in which the slider will move over the reflective film may cause the film to darken and reduce its reflectivity. The reflective film may also darken where plastic top and/or bottom stops are injected. There is also the possibility that the film may darken or even lighten where the reinforcement film is attached.
- Do not use any acidic / alkaline solvent to wipe the film, as they may cause the film to peel off. Heat processing (e.g. thermal welding) may cause the film to peel off.
- Store in a cool and dry environment. Avoid abrasion, stacking, and compression on the reflective surface.
- There are certain applications for which use of reflective zippers are not recommended. Please contact a YKK representative for inquiries and more information.