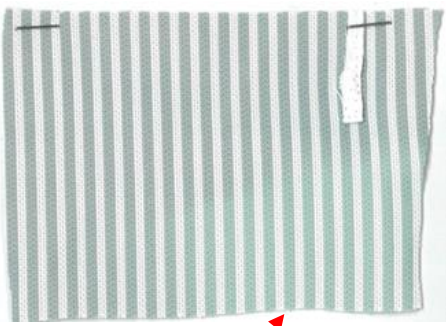



Technical Information

(vol.01)



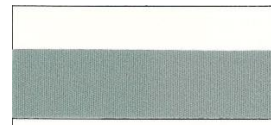



「Light fastness issues of pale shade dyed CDP」

- Currently in Japan, Carbon-arc is still used as a standard for apparel. Even if the dye clears the carbon-arc standard, dyed CDP products may sometimes lead to market complaints.

 <p style="text-align: center;">Red is faded</p>	<p>「Consultation: Store with CDP/PET product experienced Red fading」</p> <ul style="list-style-type: none"> • There was a consultation by an apparel store regarding red fading on their products. • There was no problem with Carbon-arc light fastness. • The dyeing factory and dye used are unknown, possibly overseas. <p>「Diagnosis」</p> <ul style="list-style-type: none"> • Red is faded and if it is due to heat, the dye responsible for fading is usually blue cationic dye. • This is a common phenomenon that can occur when KAC Red GRL is used as a Red component for CDP fabrics. <p>「Comment」</p> <ul style="list-style-type: none"> • This phenomenon cannot be reproduced with Carbon-arc Light fastness test. • This phenomenon can be reproduced with Xenon-arc Light fastness test or exposure to sunlight. • This phenomenon does not occur in Acrylic fabrics.
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 <p style="text-align: center;">Xenon irradiated part</p>	<p>「Consultation: Store with CDP/PET product experienced Red fading」</p> <ul style="list-style-type: none"> • The phenomenon was reproduced with Xenon-arc. <p>「Recommended Nippon Kayaku trichromatic colors」</p> <ol style="list-style-type: none"> ① KAC Yellow 3RL-ED, KAC Red GL-ED, KAC Blue BG-ED(N) ② KAC Yellow 3RL-ED, KAC Red GL-ED, KAC Blue TL-ED <ol style="list-style-type: none"> ① Generally recommended trichromatic colors ② High light fastness trichromatic colors <ul style="list-style-type: none"> • KAC Red GL-ED is recommended for pale shades to reduce this problem for CDP fabrics.
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- Previous data

Light fastness Grade 4	Carbon-arc	Xenon-arc	Sunlight (Fine weather 35°C,19.5H)
Red KAC Red GL-ED			
Red KAC Red GRL-ED			

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