



## Onibegie is an eco-material

For the preservation of the global environment, Komatsu Matera has been engaged in the development of environment-compatible dyeing technology. Onibegie is an environmentally friendly material made from ingredients extracted from onion skin, and mixed with various natural ingredients.

## Rich natural colors created from materials normally disposed of.

### [ Features ]

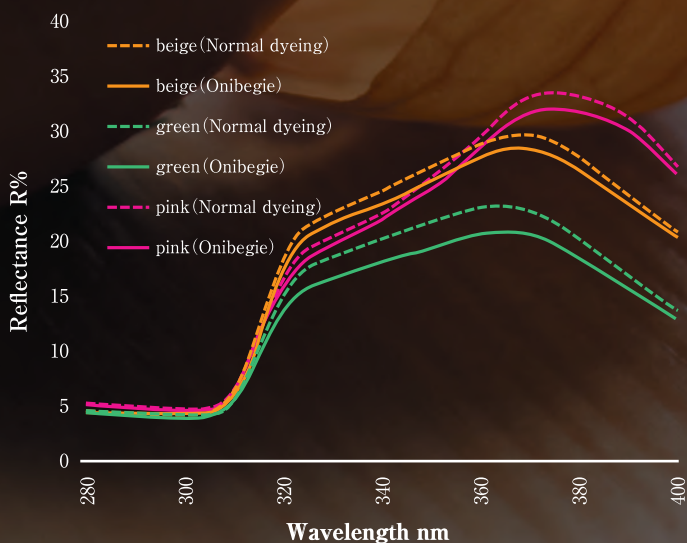
Ingredients extracted from scrap onion skins are mixed with unrequired plant material components in the dyeing process.

- ◎Environmentally friendly material using natural ingredients.
- ◎A variety of expressions by using synthetic fabric.
- ◎Natural expressions, which chemical dyes cannot achieve.
- ◎Combination with high-level processing technology held by Komatsu Matera.

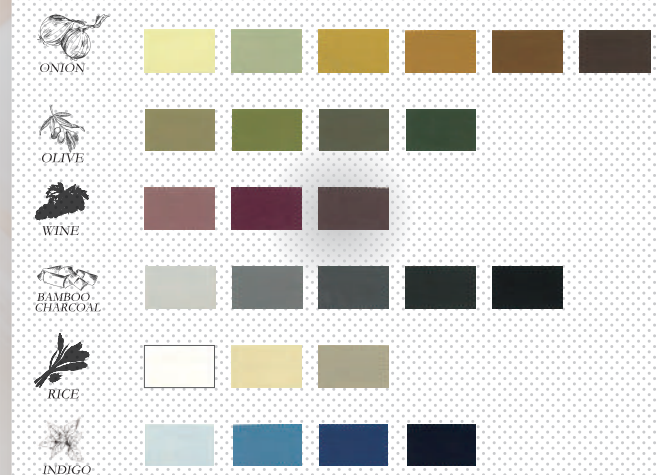
## Onibegie is an eye-friendly material

- ◎In contrast with conventionally dyed textiles, Onibegie, a new textile material, has a lower optical reflectance in the ultraviolet wavelength range from 280nm to 400nm.
- ◎The brightness of Onibegie is 0.3-0.5 lower than that of conventionally dyed textiles to achieve a deeper color. In addition, given the fabric's increased absorption of UV rays, the color is said to be an eye-friendly as it reflects fewer UV rays.

### ● UV area



### [ COLOR VARIATION ]



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## 作为环保材料的“Onibegie”

为了保护地球环境，小松美特料积极开发可与环境共生的染色技术。“Onibegie”就是其中之一，它以洋葱皮提取成分为基础，有效利用和调配各种植物的天然成分而成，是一种环保材料。

## 丰富的天然色彩，从丢弃物中产生

### “Onibegie的特点”

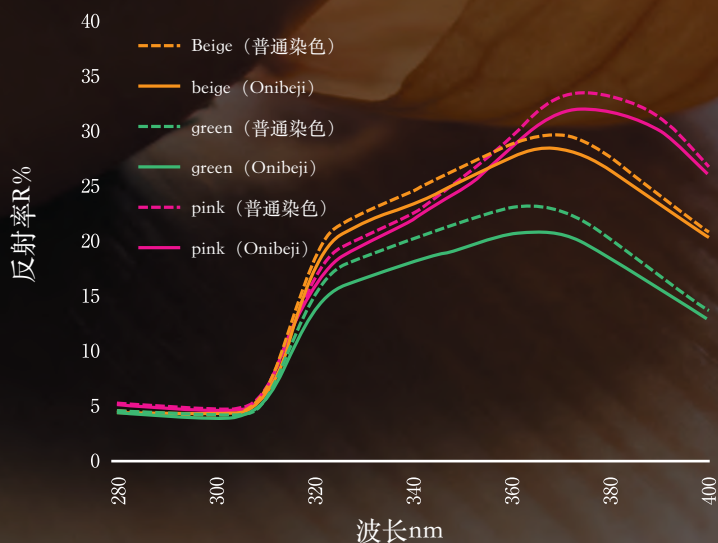
加入了废弃洋葱皮的提取成分和不需要的植物材料成分。

- ◎有效利用、调配天然成分而制成的环保材料。
- ◎可应用到各种各样的合成纤维面料上。
- ◎可创作出那些用化学染料无法调成的自然色彩。
- ◎可与小松美特料的高水平加工技术组合使用。

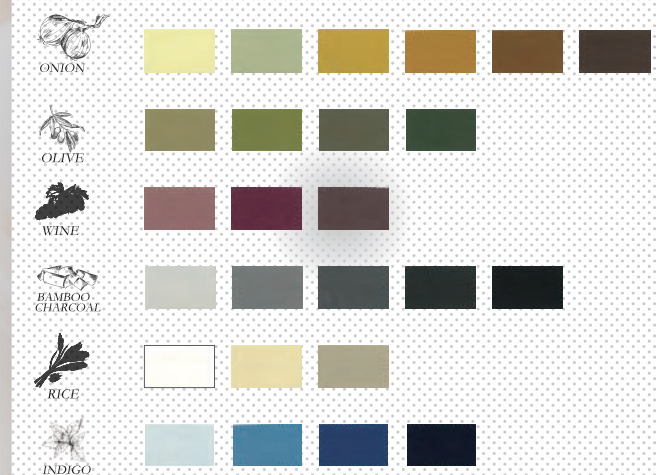
## Onibegie保护眼睛

- ◎“Onibegi”染色品在紫外区（280-400nm）的反射率低于普通染色品。
- ◎与普通染色品相比，“Onibegi”染色品亮度降低0.3~0.5，颜色更深，同时也吸收了更多紫外线，因此，进入眼睛的紫外线量减少了，可以说它是保护眼睛的颜色。

### ● 紫外区



### [COLOR VARIATION]



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Onibegie



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