



# PHILODEN®



EN 20471

## PET - SIGNAL COLORS

HiVis-Colors describes clothes and articles, that have highly reflective properties and a specific color, which is easily discernible against most backgrounds found in urban and rural situations in daylight and in night time.

Yellow waistcoats worn by emergency services are a common example.

Also on airports, among highways and railways or near any moving vehicles, people are wearing this type of work wear.



### TYPICAL COLORS

#### Most used Shades:

- Yellow (Lemon)
- Orange

#### Rarely Used:

- Red

### POLYMER

#### HiVis-Workwear:

- Polyester Fiber

#### Molded Items/Films:

- Various EPL's

### TECHNOLOGY

#### Thermic Forming Processes e.g.:

- Meltspinning
- Spunbond
- Meltblown
- Injection Molding



It's also quite common for cyclists to wear such colors when riding among motor vehicles.

Following, our recommended products from **PHILODEN®** for mass colored (melt spun) fibers and filaments:

**PHILOPLAST® Yellow GR**  
**PHILOPLAST® Orange RR**

#### Special Requirements on Colorants:

For high quality polyester workwear as typically used by Police, Fire Fighters or Railway workers, the background fabric has to pass various test in order to become certified. Tests for background material as specified in EN ISO 20471. Testing related to colorant for background material is including Color Coordinates (before and after washing) and selected fastness properties.

*Please, contact us for more information*

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