

Milliken®

# RESIST™

A spectrum of bright, high performance colorants for plastics



Milliken™

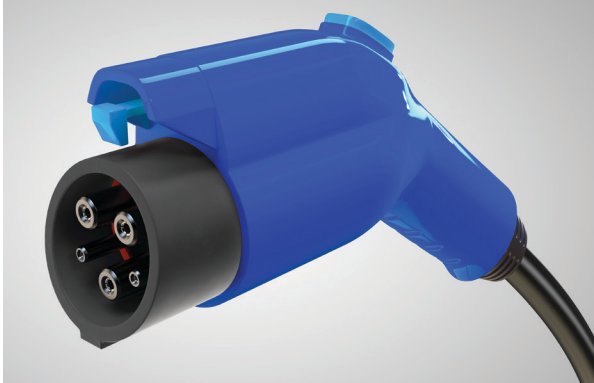


# RESIST™

## High Performance Colorants for Engineering Polymers

Milliken continues to support customers meeting ever-increasing market requirements. The following list of products represent high performance colorants for Engineering Polymers such as Polyamide, PolySulfone, and other high heat polymers and alloys. Milliken recommends testing in your specific system, and under your conditions.

Polyamide resins, also known as Nylon, are polymers often chosen for their ability to withstand elevated or extremely low service temperatures without loss of physical properties. They are used in demanding applications like power tools, automotive parts, gears, and appliance parts. The combination of high processing temperatures and amines present in Nylon polymers make most traditional colorants unsuitable for use.



## An extensive range of Milliken's RESIST colorants

Milliken offers the following selection of colorants that are known to be stable in most compounds of Nylon 6, Nylon 6,6, glass-filled compounds as well as other Polyamide resins.

- Highly recommended
- Recommended
- Suitable
- Process dependent
- Not recommended

Product Name	Thermal Stability*	Process Stability	Lightfastness Tint	PA 6 (Nylon 6)	PA 66 (Nylon 66)	PA 6 & PA 66 Glass Filled	PA 6 & PA 66 Flame Retardant	PA 46 (Nylon 46)	PBT Poly Butylene Terephthalate Unfilled & Glass Filled	PPA (Polphthalamide)	PSU (Polysulfone)
<b>RESIST Yellow 9785</b>	325°C	Excellent	6	●	●	●	●	●	●	●	●
<b>RESIST Yellow 9187</b>	320°C	Very good	6	●	●	●	●	●	●	○	○
<b>RESIST Yellow 9882</b>	335°C	Excellent	5	●	●	●	●	●	●	●	●
<b>RESIST Orange 7986</b>	305°C*	Very good	6	●	●	●	●	●	●	○	○
<b>RESIST Orange 9185</b>	315°C	Very good	6	●	●	●	●	●	●	○	○
<b>RESIST Red 9171</b>	320°C	Very good	4	●	●	●	●	●	●	○	○
<b>RESIST Red 8382</b>	310°C	Good	5	●	●	●	●	●	●	○	○
<b>RESIST Red 9995</b>	320°C	Excellent	7	●	●	●	●	●	●	●	●
<b>RESIST Red 9179</b>	335°C	Very good	5	●	●	●	●	●	●	●	●
<b>RESIST Red 9082</b>	335°C	Very good	5	●	●	●	●	●	●	●	●
<b>RESIST Blue 9778</b>	300°C	Excellent	5	●	●	●	●	●	●	○	○
<b>RESIST Green 9687</b>	310°C	Excellent	6	●	●	●	●	●	●	○	○

\*Thermal stability is an indication and needs to be checked by polymer type and end applications.

## REGIONAL HEADQUARTER OFFICES

### NORTH AMERICA

#### Spartanburg, SC, USA

P. 1.800.910.5592

F. 864.503.2430

millichem@milliken.com

### EUROPE

#### Gent, Belgium

P. 32.9.265.1100

F. 32.9.265.1195

eurochem@milliken.com

### LATIN AMERICA

#### Sao Paulo, Brazil

P. 55.11.3043.7942

F. 55.11.3043.7096

lachim@milliken.com

### Mexico City, Mexico

P. 52.55.3088.3600

F. 52.55.9000.2643

lachim@milliken.com

### ASIA

#### Singapore

P. 65.6377.0770

F. 65.6377.0990

asiachem@milliken.com

#### Shanghai, China

P. 86.21.6145.5555

F. 86.21.6145.5558

asiachem@milliken.com

#### Pune, India

P. 91.20.6730.7501

F. 91.20.6730.7514

asiachem@milliken.com



[chemical.milliken.com](http://chemical.milliken.com)

PLEASE NOTE: As each customer's use of our product may be different, information we provide, including without limitation, recommendations, test results, samples, care/labeling/processing instructions or marketing advice, is provided in good faith but without warranty and without accepting any responsibility/liability. Each customer must test and be responsible for its own specific use, further processing, labeling, marketing, etc. All sales are exclusively subject to our standard terms of sale posted at [www.milliken.com/terms](http://www.milliken.com/terms) (all additional/different terms are rejected) unless explicitly agreed otherwise in a signed writing.

RESIST™, Keyfluor™ and Milliken™ are trademarks of Milliken & Company.

\* is a registered trademark of Milliken & Company

© 2021 Milliken & Company.

01.26.2021

This leaflet supersedes all previous versions of this leaflet

Milliken™