Milliken®

RESIST™

A spectrum of bright, high performance colorants for plastics

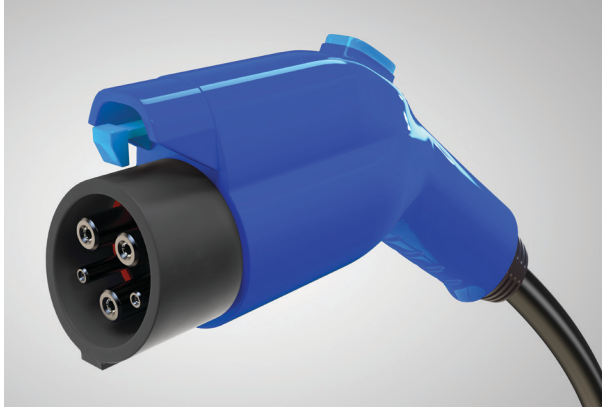
Milliken™

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)
RESIST Yellow 9785	325°C	Excellent	6	●	●	●	●	●	●	◕	◕
RESIST Yellow 9187	320°C	Very good	6	●	●	●	●	●	●	◑	◑
RESIST Yellow 9882	335°C	Excellent	5	●	●	●	●	●	●	●	◕
RESIST Orange 7986	305°C*	Very good	6	●	●	●	●	◕	●	◑	◑
RESIST Orange 9185	315°C	Very good	6	●	●	●	●	●	●	◑	◑
RESIST Red 9171	320°C	Very good	4	●	●	●	●	●	●	◑	◑
RESIST Red 8382	310°C	Good	5	●	●	●	●	◕	●	◑	◑
RESIST Red 9995	320°C	Excellent	7	●	●	●	●	●	●	●	◕
RESIST Red 9179	335°C	Very good	5	●	●	●	●	●	●	●	◕
RESIST Red 9082	335°C	Very good	5	●	●	●	●	●	●	◕	◕
RESIST Blue 9778	300°C	Excellent	5	●	●	●	●	◕	●	◑	◔
RESIST Green 9687	310°C	Excellent	6	●	●	●	●	◕	●	◑	◑

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

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