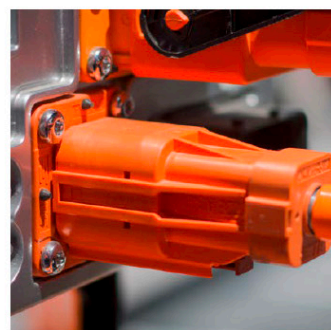


Milliken®

KeyPlast RESIST™

A spectrum of bright, high performance colorants for plastics



Milliken™

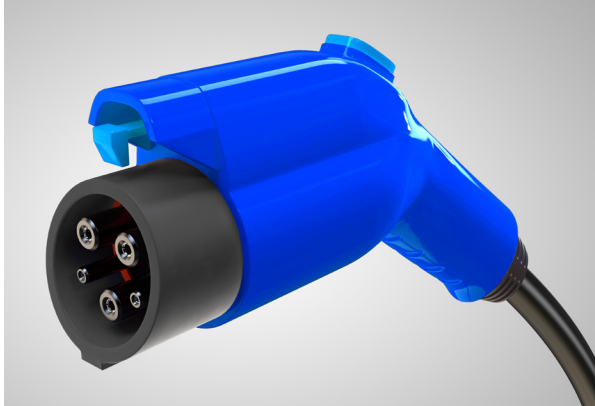


KeyPlast RESIST™

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