

Milliken®

# Keyplast™

## Dyes for Polyamide



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 dyes unsuitable for use.

Milliken recognizes the importance of colorant stability in Nylon and offers the following selection of dyes that are known to be stable in most compounds of Nylon 6, Nylon 6,6, glass-filled compounds as well as other Polyamide resins. Due to the complex chemistry of Nylon including the addition of some heat stabilizers, which have been known to react with colorants, it is strongly recommended colorants be tested thoroughly for suitability in the resin and for the end application.



NAME	COLORANT NAME	CI NO.	COMMENTS
■ BLACKS	Keyplast Nigrosine R	S.Blk. 7	Deep blue shade black
■ BLUES	Keyplast Blue KR	S.B. 104	Red shade blue
■ GREENS	Keyplast Green B	S.G. 3	Blue shade green
■ ORANGES	Keyplast Orange GR	Proprietary	Medium shade orange
	Keyplast FL Orange 2G	S.O. 63	Red shade fluorescent orange
	Keyplast FL Orange YF	Proprietary	Yellow shade fluorescent orange
■ REDS	Keyplast Rubine T	S.R. 52	Strong blue shade/magenta
	Keyplast Red A2G	S.R. 179	Medium shade red
	Keyplast Red V	P.R. 177	Medium shade red
	Keyplast FL Red G	S.R. 149	Blue shade fluorescent red
■ YELLOWS	Keyplast Yellow F	S.Y. 104	Bright green shade yellow
	Keyplast Yellow GHS	S.Y. 163	Red shade yellow
	Keyplast FL Yellow Green 7G	S.G. 5	Green shade fluorescent yellow
	Keyplast FL Yellow 10GN	S.Y. 160:1	Green shade fluorescent yellow
	Keyplast FL Yellow BT	Proprietary	Medium shade fluorescent yellow
OPTICAL BRIGHTENERS	Keyfluor White OB-1	OB 393	Food Contact Compliant
	Keyfluor White OB	OB 184	Food Contact Compliant

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.

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