

# Kayacryl Black MR-ED(N)

NIPPON KAYAKU

## «Characteristics»

- Kayacryl Black MR-ED(N) is a slightly greenish black dispersed cationic dye. It is an economical black dye with good fastness.
- This dye exhibits excellent levelling properties due to its slow dyeing speed.
- One-bath dyeing is possible in combination with other types of dyes, such as disperse dyes and reactive dyes.
- There is relatively little contamination on the dyeing machine and on the body of the worker.

## «Remarks»

- Do not dissolve into hot water exceeding 80°C and do not blow live steam into bath. It can be dissolved easily in water at room temperature. Do not paste with acetic acid or alcohol and do not mix with cationic dyes and cationic agents.

## ☆Color Fastness (C.D.P. 100% ; High-temperature dyeing)

Dyeing depth	Fastness							Staining on Polyester
	Light		Heat		Washing (ISO Test 3 : 60°C)		Chlorinated Water 100ppm	
	ISO	AATCC	180°C×1min.	190°C×2min.	Staining on			
				C.D.P.	Wool			
9.4%	5-6	4 ↑	4-5	4-5	4-5	4-5	4-5	4-5

Light : ISO 105-B02, AATCC 16 2003 (Xenon-arc) Heat : Heat-Setting machine (180°C×1min., 190°C×2min.)

Washing : ISO 105-C10 Test 3 (Staining on C.D.P. and Wool)

Chlorinated Water : ISO 105-C10 (100ppm, L.R. 100:1, 27°C×60min.)

Staining on Polyester : C.D.P./Polyester(50/50), L.R. 15:1, pH 4.0, G.S. 2g/L, 120°C×60min.

## ☆Dyeing pattern (C.D.P. 100% ; High-temperature dyeing)



%o.w.f.	L*	a*	b*
0.1	67.72	-5.91	-5.30
0.3	54.31	-5.83	-7.06
1.0	38.13	-5.62	-8.03
3.0	24.55	-3.52	-7.29
6.0	17.87	-0.82	-5.12
9.0	16.45	0.15	-3.68

\*There is no intentional addition of the components corresponding to restricted substances listed by OEKO-TEX STANDARD 100, Edition 2/2019.

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