



BARNALI™ L
Pigments for Coatings



Breathing Life Into Color

An Iso Certified Company

SIGNATURE COLORCHEM LLP

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Pigments for Coatings

BARNALI™ L

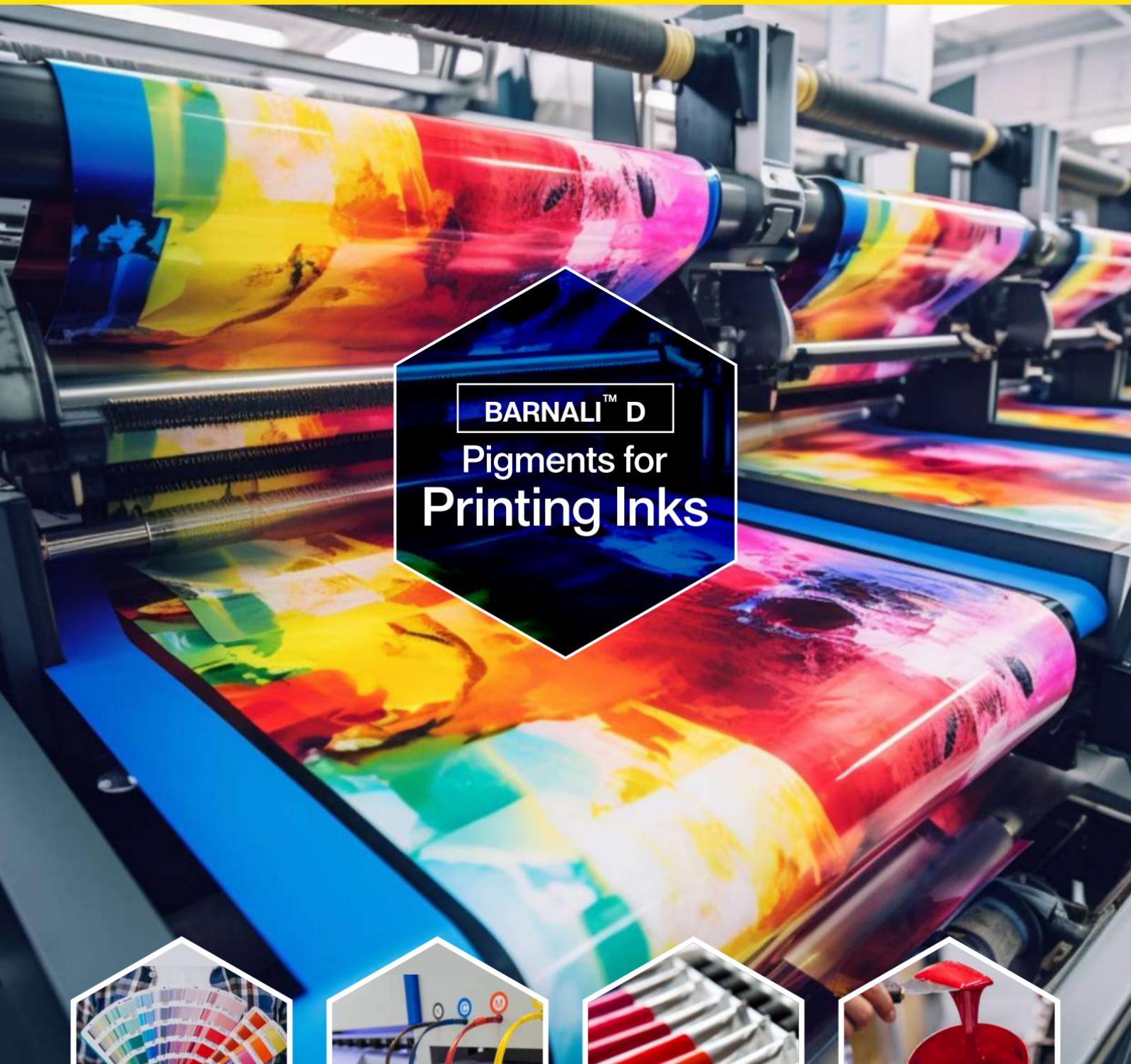
	Product Name & Code	C.I. Name	Decorative Paints		Industrial Coatings				Light Fastness Full Tone/Tint	Weather Fastness Full Tone/Tint	Hest Stability (c°)
			Water Based	Solvent Based	Auto Refinish	Industrial Paint	Coil Coating	Powder Coating			
	BARNALI™ Yellow L 10001	PY1	●	●	—	—	—	—	7/5	-	-
	BARNALI™ Yellow L 20065	PY65	●	●	—	—	—	—	6/5	4/2	-
	BARNALI™ Yellow L 20074	PY74	●	○	—	—	—	—	7/5	4/2	-
	BARNALI™ Yellow L 20083	PY83	●	●	—	—	—	—	7/6	4/3	200
	BARNALI™ Orange L 30034	PO34	●	○	—	—	—	—	7/5	4/3	200
	BARNALI™ Orange L 30034 LF	PO34	●	●	—	—	—	—	7/5	-	-
	BARNALI™ Red L 40003	PR3	●	●	—	—	—	—	6/4	-	-
	BARNALI™ Red L 40004	PR4	●	●	—	—	—	—	6/3	-	-
	BARNALI™ Fast Red L 40112	PR112	●	●	—	—	—	—	7/6	-	-
	BARNALI™ Red L 40170	PR170	●	●	●	●	●	●	7/5	4/2	180
	BARNALI™ Blue L 60015	PB15	●	○	—	—	—	—	8/7	5/4	180
	BARNALI™ Blue L 60151	PB15:1	●	○	●	●	●	—	8/8	5/5	200
	BARNALI™ Blue L 70153	PB15:3	●	●	○	○	●	—	8/8	5/5	200
	BARNALI™ Green L 80007	PG7	●	●	●	●	●	●	8/8	5/5	200

● Suitable for application ○ Potential Use

Disclaimer: This information corresponds to the present state of our knowledge and is intended as a general description of our products and their possible applications. In view of the many factors that may affect processing and application. These data do not relieve processors of the responsibility of carrying out their own test and experiments; neither do they imply any legally binding assurance of certain properties or suitability for specific purpose. It is the responsibility of those whom we supply our products to ensure that any proprietary rights and existing laws and legislation are observed.



Breathing Life Into Color



BARNALI™ D
Pigments for
Printing Inks



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Pigments for Printing Inks

BARNALI™ D

	Product Name & Code	C.I. Name	Applications						Light Fastness Full Tone/Tint	Weather Fastness Full Tone/Tint	Soap fastness
			Water based Ink	NC/PU	PA	Vinyl EVA	CLPP	Offset			
	BARNALI™ Yellow D 11512	PY12	○	-	●	●	-	-	6/6	-	-
	BARNALI™ Yellow D 22112	PY12	-	-	●	●	○	●	6/6	-	-
	BARNALI™ Yellow D 22512	PY12	-	-	-	●	●	-	6/6	-	-
	BARNALI™ Yellow D 22712	PY12	-	-	-	●	●	-	6/6	-	-
	BARNALI™ Yellow D 20013	PY13	-	●	-	-	-	-	6/5	-	4-5
	BARNALI™ Yellow D 25217	PY17	●	●	●	●	●	●	6/6	-	4-5
	BARNALI™ Yellow D 20283	PY83	-	●	●	●	●	-	7/6	-	4-5
	BARNALI™ Orange D 30013	PO13	●	-	●	●	○	●	-	-	-
	BARNALI™ Orange D 30034	PO34	●	-	-	-	-	●	7/5	-	4-5
	BARNALI™ Red D 40002	PR2	●	●	-	-	-	●	-	-	3
	BARNALI™ Red D 40481	PR48:1	-	●	-	-	-	-	6/5	-	-
	BARNALI™ Scarlet D 40531	PR53:1	-	-	●	●	●	-	4/2	-	1-2
	BARNALI™ Magenta D 40571	PR57:1	-	-	●	●	●	●	6/4	-	-
	BARNALI™ Red D 40146	PR146	●	●	-	-	-	-	6/5	3/-	4-5
	BARNALI™ Blue D 60015	PB15	●	-	-	-	○	-	8/7	5/4	5
	BARNALI™ Blue D 70153	PB15:3	●	-	●	●	●	●	8/8	5/5	5
	BARNALI™ Green D 80007	PG7	●	●	●	●	●	●	8/8	5/5	5

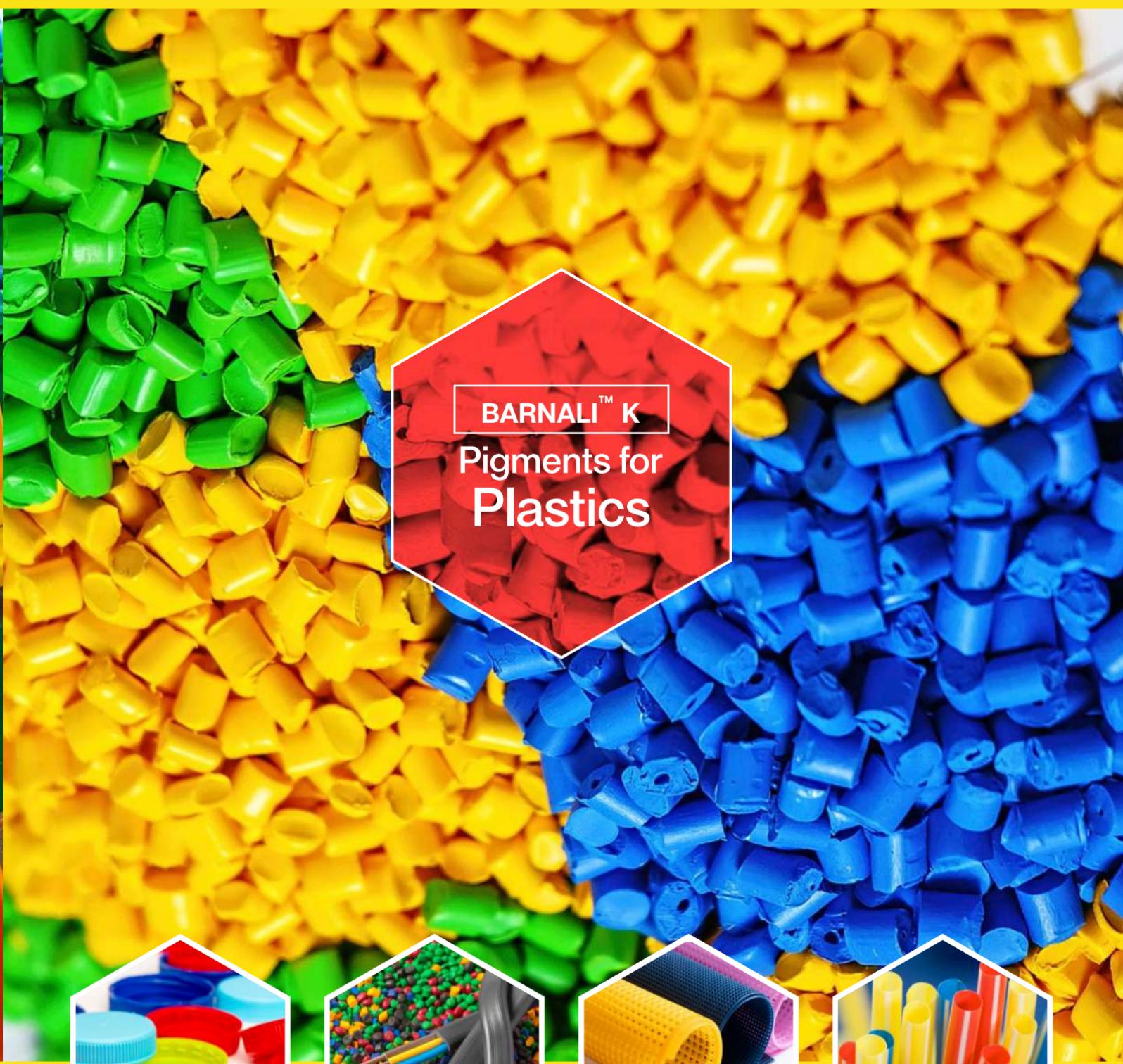
WB - Water based | NC - Nitro Cellulose | PU - Poly Urethane | PA - Polyamide | CLPP - chlorinated polypropylene ● Suitable for application ○ Potential Use

Note:

- Light Fastness is assessed on 1-8 Blue wool scale, where 1 = Poor & 8 = Excellent
- Weather Fastness is assessed on 1 – 5 Grey scale, where 1 = Poor & 5 = Excellent
- Soap Fastness is assessed on 1-5 scale, where 1 = poor & 5 = Excellent (Tested in 20% soap jelly solution)

The information included here is based on the reliable data generated by 3rd party outsourced. Since the performance of a pigment also depends on the additives and polymers used, we recommend that customers should test suitable of the pigment for their end application. However, if we are provided with testing methods and samples, we would be glad to do the same.

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BARNALI™ K
Pigments for
Plastics



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	Product Name & Code	C.I. Name	Applications						Light Fastness Full Tone/Tint	Weather Fastness Full Tone/Tint	Heat Resistance in HDPE(c°)	Migration in PVC
			Polyolefins	PVC	PS/A BS	Nylon 6	PBT/PET	PP Fiber				
	BARNALI™ Yellow K 20013	PY13	●	●	—	—	—	—	6/6	-	200	3
	BARNALI™ Yellow K 20017	PY17	●	●	—	—	—	○	6/6	-	200	3
	BARNALI™ Yellow K 20062	PY62	●	●	—	—	—	●	7/6	-	240	4-5
	BARNALI™ Yellow K 20083	PY83	●	●	—	—	—	●	7/6	-	240	4
	BARNALI™ Orange K 30034	PO34	●	○	—	—	—	—	7/5	-	220	3
	BARNALI™ Red K 40482	PR48:2	●	●	—	—	—	—	7/5	-	220	3-4
	BARNALI™ Scarlet K 40531	PR53:1	●	●	○	—	—	●	4/2	-	250	4
	BARNALI™ Magenta K 40571	PR57:1	●	●	—	—	—	●	6/4	3/-	220	4
	BARNALI™ Red K 40170	PR170	●	○	—	—	●	●	8/7	5/4	240	2
	BARNALI™ Blue K 60015	PB15	●	—	—	○	—	—	8/7	5/5	180	3
	BARNALI™ Blue K 65151	PB15:1	●	●	●	—	●	—	8/8	5/5	260	3
	BARNALI™ Blue K 65151 FP	PB15:1	●	●	—	—	—	●	8/8	5/5	280	4
	BARNALI™ Blue K 70153	PB15:3	●	●	●	○	●	●	8/8	5/5	280	4
	BARNALI™ Blue K 70153 FP	PB15:3	●	●	—	—	—	●	8/8		280	4
	BARNALI™ Green K 80007	PG7	●	●	○	—	●	—	8/8	5/5	280	4
	BARNALI™ Green K 80007 FP	PG7	●	●	—	—	—	●	8/8	5/5	280	4

● Suitable for application ○ Potential Use

ABS – acrylonitrile – butadiene – styrene | Nylon 6 – nylon 6 | PBT – polybutylene terephthalate | PET – polyester terephthalate | PP – polypropylene
PS – polystyrene | PVC – polyvinyl chloride | Polyolefins – polyethylene/polypropylene

Note:

- Light Fastness is assessed on 1–8 Blue wool scale, where 1= Poor & 8 = Excellent
- Weather Fastness is assessed on 1 – 5 Grey Scale, where 1= Poor & 5 = Excellent
- Resistance to heat is tested in HDPE polymer at 1/3rd standard depth of pigment with 1.00% TiO₂.
- Migration in PVC-P is assessed on 1 – 5 Grey scale, where 1= Heavy Bleeding & 5 = No Bleeding.

i) Thermal decomposition of diarylide pigment occur if processed above 200° C

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BARNALIFINE™
Pigments for
**Preparations
for Coatings**



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Pigment preparations for Coatings

BARNALIFINE™

	Product Name & Code	C.I. Name	Light Fastness		Weather Fastness		Light Fastness Full Tone/Tint	Weather Fastness Full Tone/Tint	Hest Stability (c°)
			Full Tone	Tint	Full Tone	Tint			
	BARNALIFINE™ Yellow L 10517	PY1	6	4	-	-	40 ± 2	1.16	●
	BARNALIFINE™ Yellow L 20065	PY65	6	5	-	-	30 ± 2	1.14	●
	BARNALIFINE™ Yellow L 20509	PY74	7	5	4	2	28 ± 2	1.14	●
	BARNALIFINE™ Yellow L 20509 LF	PY74	7	5	4	2	40 ± 2	1.15	○
	BARNALIFINE™ Orange 30535	PO5	5	4	-	-	35 ± 2	1.15	●
	BARNALIFINE™ Red L 40549	PR3	6	4	-	-	35 ± 2	1.15	●
	BARNALIFINE™ Fast Red L 40548	PR112	7	5	-	-	42 ± 2	1.12	●
	BARNALIFINE™ Pink L 45122	PR122	8	7	4	4	35 ± 2	1.45	○
	BARNALIFINE™ Red L 40554	PR170	7	5	4	2	42 ± 2	1.12	●
	BARNALIFINE™ Violet L 50591	PV23	8	7	5	4	12 ± 2	1.25	○
	BARNALIFINE™ Blue L 60612	PB15	8	7	4	3	42 ± 2	1.14	○
	BARNALIFINE™ Blue L 70615	PB15:3	8	7	5	4	42 ± 2	1.15	○
	BARNALIFINE™ Green L 80631	PG7	8	8	5	5	52 ± 2	1.33	○
	BARNALIFINE™ Yellow Oxide L 15401	PY42	8	8	5	5	60 ± 2	1.88	●
	BARNALIFINE™ Red Oxide L 40547	PR101	8	8	5	5	62 ± 2	2.26	●
	BARNALIFINE™ Black L 90683	PBk7	8	7	5	5	35 ± 2	1.20	●

● Suitable for Interior application ○ Interior & Exterior application ● Interior and Potential for exterior

Note:

- Light Fastness is assessed on 1-8 Blue wool scale, where 1 = Poor & 8 = Excellent
- Weather Fastness is assessed on 1 – 5 Grey Scale, where 1 = Poor & 5 = Excellent

BARNALIFINE™ Pigment preparations are hydrophilic, highly concentrated, readily pourable pigment paste containing non-ionic/anionic wetting & dispersing agents. They mix readily into aqueous bases to form stable paints. The pH range is between 6 to 8.

BARNALIFINE™ can be used in following applications. Artist watercolor, Chalk, Latex, Coir Coloration, Artificial Flowers, Seed coating, Detergents, Paper coloration etc., Please refer TDS.

Storage: Preferably at room temperature, avoid temp. below 0 deg. C as this will impact on the quality of the product.

Handling and usage:

- BARNALIFINE™ pigment preparations must be stirred thoroughly before use
- Any foming can be reduced by using antifoaming agent.
- BARNALIFINE™ are miscible with one another in any ratio. Their main application is coloration of water-based paints.

Recommended shelf life 10 – 12 months.

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