



SUBH CHEM

VISHNU CHIRANIA: 91-9722035637, 91-9929555888.

Email: subhchembaroda@rediffmail.com, Website: www.subhchem.com

Solvent dyes and pigments for Polyester, Fiber, Polymers, Engineering Plastics etc.:

SUBH CHEM has a scope of supply which very few Solvent Dyes and Pigment supplier can claim. The range covers one of the widest numbers of Solvent Dyes and Pigments. Our products are tailored to confirm the International standards and specifications.

The Solvent Dyes mentioned in this series disperse and dissolve easily in the polymer melt. This property of Solvent Dyes is to give brilliant coloration with sparkling transparency. For opaque plastics attractive pastel shades can be obtained with the use of Titanium dioxide. They can also be used in combination with pigment colors either as shading components or as major ingredients in a mixture for getting intensity and translucence often not obtainable by use of insoluble organic pigments alone. These developed tailor-made combinations give economic and attractive shades.

Solvent Dyes in this series are divided as:

Series (I) best suited for Engineering plastics and Series (II) best suited for Polyolefin.

Series I: Solvent Dyes for engineering plastics

These dyes are heat stable at customary processing temperatures which are higher than that of Polyolefin. These dyes do not sublime from polymer melt during processing cycles used to prepare polymer / master batch blends for final processing.

Light fastness of these polymer soluble dyes are generally excellent in strong and transparent shades. These dyes are suitable for Engineering plastic such as Polystyrene, HIPS, ABS, SAN, Polycarbonate, PET etc.

For specific use of these dyes in food packaging analysis as required can be arranged (with suitable arrangements).

- (1) Heavy metal analysis as specified by customer
- (2) Aromatic amines banned under German regulation act
- (3) Migration test as specified by customer

Dyes under this series are not recommended for Polyolefin as migration of color from the finished product is likely to be unacceptable. User should check their suitability in stretched polymer product.



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Series II: Solvent Dyes for Polyolefin

Polyolefin find a number of usages due to low cost, good process ability and overall good polymer properties.

Polyolefin are all highly crystalline polymers. Coloration of these polymers becomes very difficult due to high crystalline and lack of any reactive sites. Pigments are widely used for coloration of these polymers but they have some limitation due to insolubility and poor dispensability which leads to non-uniform coloration.

SUBH CHEM supply number of solvent dyes for the coloration of Polyolefin, which due to solubility and high affinity for polymers gives stronger, brighter and uniform shades than pigment. Fastness properties of these dyes are also excellent.

Pigments:

We offer Color Pigments for fiber applications. These Color Pigments are manufactured using high-grade materials and are high on quality. Our pigments can be certified for Polychlorobiphenyls, Banned amines, residual solvents, particle size and heavy metals.

Physical Properties:

- Very good stability to light, heat, and weathering.
- Good pictorial strength.
- Cost effectiveness.
- Consistency and unique shades.
- Completely non-toxic.
- Very bright, pure, rich colors.
- Free from Extenders.



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We introduce the following Solvent Dyes and Pigments for Polyester, Fiber, Engineering Plastics etc.:

PROPERTIES				RAISIN SUITAIBILITY								
Solvent Dye/ Chemical Index No	Specific Gravity g/cm ³	Melting Point (⁰ C)	Light Fastness In PS	Polystyrene	Rigid PVC	Polypropylene	PMMA	ABS/SAN	Polyester	Nylon	Polycarbonate	Waxes/Oils
Pigment Yellow 14	1.30	134	4	●			●					Ins
Solvent Yellow 33	1.87	238-241	6	●	●		●	●	●	●	●	Ss
Solvent Yellow 43	1.08	124-128	3	●	●		●				●	Ss
Solvent Yellow 72	1.03	176	6	●			●	●				Ss
Solvent Yellow 93	1.30	181	7	●	●		●	●			●	Ss
Solvent Yellow 157	1.40	>290	7	●	●		●	●	●		●	n/a
Solvent Yellow 163	1.30	182-186	6-7	●		●	●	●	●	●	●	Ss
Solvent Yellow 821	1.30	135-142	5-6	●		●	●					n/a
Solvent Yellow 825	1.28	135-142	6-7	●		●	●					n/a
Solvent Orange 60	1.50	231-233	7-8	●	●		●	●	●	●	●	Ins
Solvent Orange 86	1.16	195-199	7	●			●					ss
Solvent Orange 105	1.16	162-165	7	●	●			●	●	●	●	n/a
Solvent Red 18	1.39			●	●							S
Solvent Red 52	1.37	280	5-7	●	●	●	●	●	●	●	●	S
Solvent Red 111	1.40	163-172	6-7	●	●		●	●	●	●	●	Ss
Solvent Red 135	1.40	316-318	6-7	●			●	●	●	●	●	Ins
Solvent Red 168	1.40	176	7	●	●		●	●	●	●	●	Ins
Solvent Red 169	1.8	164-170	6-7	●	●		●	●		●	●	Ins
Solvent Red 179	1.46	255	6	●			●	●	●	●	●	n/a
Solvent Red 195	1.29	214	8	●	●		●	●	●		●	n/a
Solvent Red 207	1.40	236-251	5	●	●		●	●	●	●	●	Ss
Solvent Red 227	1.70	144-146	7	●			●	●			●	n/a
Solvent Red 430	1.6	185	6-7	●		●	●		●			n/a
Solvent Red 172	2.16	234-237	5-7	●	●		●		●			Ins
Solvent Green 3	1.35	213-215	7	●	●		●	●	●		●	n/a
Solvent Violet 13	1.35	180-183	6	●			●				●	S
Solvent Violet 14	1.89	215	5-7	●			●	●	●	●		Ss



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Disperse Violet 26 Solvent Violet 59	1.47	186	7	•	•	•	•	•	•	•	•	S
Solvent Violet 38	1.94	302	5-7	•	•		•		•			Ins
Solvent Blue 35	1.40	115	7	•	•		•		•			S
Solvent Blue 36	1.25	169-173	7	•			•					S
Solvent Blue 45	1.29	200	7-8	•			•	•	•		•	n/a
Solvent Blue 59	1.38	208-216	7	•	•		•	•	•			S
Solvent Blue 101	1.35	221-224	7	•	•		•		•	•	•	Ins
Solvent Blue 102	1.29	142	5-7	•	•		•	•	•			Ss
Solvent Blue 104	1.30	240	7	•	•	•	•	•	•	•	•	Vs
Solvent Blue 122	1.43	239	7	•			•	•	•		•	n/a
Solvent Blue 128	1.51	266-270	7-8	•	•		•	•				n/a
Solvent Blue 58	1.23	67-75	5	•	•	•		•				n/a
Solvent Blue 67				•	•			•	•			n/a
Solvent Blue 101	1.35	221-224	7	•	•		•		•	•	•	Ins
Solvent Blue 101	1.35	221-224	7	•	•		•		•	•	•	Ins

Apart from the above we also supply the following Dyes / Pigments:

- ✓ Pigment Red 48:2
- ✓ Pigment Red 48:3
- ✓ Pigment Red 53.1
- ✓ Pigment Red 57:1
- ✓ Pigment Red 176
- ✓ Pigment Red 149
- ✓ Pigment Violet 23
- ✓ Pigment Green 7
- ✓ Pigment Blue 15.0
- ✓ Pigment Blue 15.3
- ✓ Solvent Blue 97
- ✓ Pigment Yellow 180
- ✓ Pigment Yellow 196
- ✓ Pigment Yellow 147
- ✓ Solvent Yellow 145
- ✓ Pigment Yellow 160.1
- ✓ Pigment Yellow 172
- ✓ Solvent Orange 63
- ✓ Solvent Violet 57
- ✓ Solvent Brown 53
- ✓ Pigment Orange 70