



PROPERTIES OF BHAGWATI PIGMENT POWDERS

| Organic Pigments | C.I.No. | Specific Gravity | Bulk Volume | Oil Absorption | FASTNESS | | | | | | PHYSICAL AND CHEMICAL | | | | | | | | | | | |
|------------------|----------|------------------|-------------|----------------|--------------------------|----------------|-------------------------|---------------|------------------------------|-------------|-----------------------------|-------------|----------------|-----------------------------|-----------|-----------------|-------|--------------|--------|-------------------|-----|---|
| | | | | | Light 1 -> 5 Scale | | Heat 1 -> 5 Scale | | Overspray 1 -> 5 Scale | | Reagents 1 -> 5 Scale | | | Solvents 1 -> 5 Scale | | | | | | | | |
| | | | | | Full Strength | Reduction Tone | 150 C/20 Min. | 180 C/20 Min. | 120 C/20 Min. | N.C.Lacquer | Water | 5% Acid HCL | 5% Alka;o NaOH | Ethanol | N-Butanol | N-Butyl Acetate | M.E.K | White Spirit | Xylene | Mixed NC Solvents | DEG | |
| 1 | Red 2 | 12310 | 1.5 | 6.8 | 50 _± 2 | 6-7 | 4-5 | 3 | 3 | 2 | 3 | 5 | 5 | 5 | 4 | 4 | 3 | 3 | 2 | 3 | 2 | 4 |
| 2 | Red 3 | 12120 | 1.5 | 5.8 | 48 _± 2 | 7 | 5 | 3 | 3 | 2 | 3 | 5 | 5 | 5 | 3 | 3 | 3 | 4 | 1 | 1 | 1 | 4 |
| 3 | Red 4 | 12085 | 1.56 | 5.8 | 37 _± 2 | 5-6 | 4 | 3 | 3 | 2 | 4 | 5 | 5 | 3 | 3 | 3 | 2-3 | 2 | 2-3 | 2-3 | 2 | 4 |
| 4 | Red 8 | 12335 | 1.4 | 6.8 | 55 _± 2 | 6 | 3-4 | 4 | 2 | 2 | 2 | 5 | 5 | 5 | 2 | 1 | 2 | 1 | 3 | 2 | 1-2 | 4 |
| 5 | Red 12 | 12385 | 1.38 | 7.0 | 54 _± 2 | 6 | 5 | 3 | 2 | 2 | 3 | 5 | 4 | 2 | 3 | 3 | 3 | 2 | 3 | 3 | 2 | 4 |
| 6 | Red 23 | 12355 | 1.5 | 6.5 | 38 _± 2 | 5-6 | 3 | 5 | 4 | 4 | 3 | 5 | 4 | 4 | 1-2 | 1-2 | 1-2 | 3 | 1-3 | 1-2 | 1 | 3 |
| 7 | Red 48:2 | 15865 | 1.6 | 4.0 | 40 _± 2 | 7 | 6 | 6 | 4 | 4 | 4 | 5 | 5 | 5 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 8 | Red 53:1 | 15585 | 1.8 | 6.5 | 52 _± 2 | 5 | 2 | 4 | 4 | 2 | 2 | 5 | 3 | 2 | 4 | 2 | 2 | 2 | 4 | 2-3 | 1-2 | 2 |
| 9 | Red 57:1 | 15850 | 1.55 | 6.8 | 56 _± 2 | 5-6 | 3 | 4 | 3 | 2 | 2 | 5 | 2 | 2 | 4 | 1 | 2 | 1 | 5 | 3 | 2 | 2 |
| 10 | Red 112 | 12370 | 1.41 | 6.8 | 40 _± 2 | 6-7 | 6 | 4 | 3 | 3 | 3 | 5 | 3 | 4 | 3 | 3 | 3 | 3 | 2 | 2-3 | 3 | 4 |
| 11 | Red 170 | 12475 | 1.36 | 6.0 | 49 _± 2 | 6-7 | 6 | 4 | 4 | 4 | 4 | 5 | 4 | 5 | 4 | 4 | 4 | 3 | 3 | 3 | 3 | 4 |
| 12 | Yellow 1 | 11680 | 1.4 | 7.8 | 40 _± 2 | 6-7 | 4-5 | 3-4 | 2 | 2 | 2 | 5 | 5 | 5 | 3 | 3 | 3 | 1 | 2 | 2 | 2 | 4 |



APPLICATIONS OF BHAGWATI PIGMENT POWDERS

| Organic Pigments | C.I.No. | Paints | Printing Ink | Rubber | Leather | Cement | Line Colours | Textile Papers | Ceramic Printing | PVC Leather Cloth | Plastics | Chalk & Crayons |
|------------------|---------|--------|--------------|--------|---------|--------|--------------|----------------|------------------|-------------------|----------|-----------------|
| 1 Red 2 | 12310 | ✓ | ✓ | ✓ | ✗ | ✓ | ✗ | ✓ | ✗ | ✗ | ✗ | ✓ |
| 2 Red 3 | 12120 | ✓ | ✓ | ✓ | ✓ | - | - | - | - | - | - | ✓ |
| 3 Red 4 | 12085 | ✓ | ✓ | ✓ | - | - | ✓ | - | - | - | - | ✓ |
| 4 Red 8 | 12335 | ✓ | ✓ | ✓ | ✗ | ✓ | - | ✓ | ✓ | ✗ | ✗ | ✓ |
| 5 Red 12 | 12385 | - | - | ✓ | ✓ | - | ✓ | - | ✓ | ✓ | ✓ | - |
| 6 Red 23 | 12355 | ✓ | ✓ | ✓ | - | ✓ | ✓ | ✓ | - | - | ✓ | ✓ |
| 7 Red 48:2 | 15865 | ✓ | ✓ | ✓ | ✓ | ✗ | ✓ | ✓ | ✗ | ✓ | ✓ | ✓ |
| 8 Red 53:1 | 15585 | ✗ | ✓ | ✓ | ✓ | ✗ | ✗ | ✓ | ✗ | ✗ | ✗ | ✗ |
| 9 Red 57:1 | 15850 | ✓ | ✓ | ✓ | - | ✓ | ✓ | ✓ | ✗ | ✗ | ✓ | ✗ |
| 10 Red 112 | 12370 | ✓ | ✓ | ✓ | ✓ | - | - | - | - | - | ✓ | ✓ |
| 11 Red 170 | 12475 | ✓ | ✓ | ✓ | ✓ | ✓ | - | ✓ | - | - | ✓ | - |
| 12 Yellow 1 | 11680 | ✓ | ✓ | ✗ | ✓ | ✗ | ✓ | - | ✗ | ✗ | ✗ | ✓ |



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|------------------|---------|--------|--------------|--------|---------|--------|--------------|----------------|------------------|-------------------|----------|-----------------|
| 1 Yellow 3 | 11710 | ✓ | ✓ | ✗ | ✓ | ✗ | ✓ | — | ✗ | ✗ | ✗ | ✓ |
| 2 Yellow 12 | 21090 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✗ | ✓ | ✓ |
| 3 Yellow 13 | 21100 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✗ | ✓ | ✓ | — |
| 4 Yellow 14 | 21095 | ✓ | ✓ | ✓ | ✓ | ✓ | ✗ | ✗ | ✓ | ✗ | ✗ | — |
| 5 Yellow 17 | 21105 | ✓ | ✓ | ✓ | ✓ | ✓ | ✗ | ✓ | ✗ | ✓ | ✓ | ✗ |
| 6 Yellow 74 | 11741 | ✓ | ✓ | ✓ | ✗ | ✗ | ✓ | ✓ | ✓ | ✗ | ✗ | ✓ |
| 7 Yellow 83 | 21108 | ✓ | ✓ | ✓ | ✓ | — | — | ✓ | ✓ | ✓ | ✓ | — |
| 8 Orange 5 | 12075 | ✓ | ✓ | ✓ | ✓ | — | — | ✓ | — | ✓ | ✓ | ✓ |
| 9 Orange 13 | 21110 | ✗ | ✓ | ✓ | ✓ | ✓ | ✗ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 10 Orange 34 | 21115 | ✓ | ✓ | ✓ | ✗ | ✓ | ✓ | ✓ | ✗ | ✓ | ✓ | ✓ |
| 11 Blue 15:0 | 74160 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 12 Blue 15:3 | 74160 | ✓ | ✓ | ✓ | — | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |