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## Pigment Red 144

Pigment Red 144 equivalent to BASF K3890 (formerly Ciba BRN Red), is very resistant to migration, has excellent lightfastness and heat resistance up to 300 °C. Mainly used for plastic and ink coloring, for polystyrene, polyurethane, polypropylene paste coloring, high specific surface area form can be used for high-grade ink, varnish and sterilization, for metal decoration Ink, also used in architectural decorative coatings.

PR144 has a heat resistance of up to 300 ° C / 5 min in 1/3 standard depth HDPE, and the color and dilution are the same. It should be noted that it has a great influence on the shrinkage of the plastic in HDPE.

Red 144 is excellent in light resistance, but the weather resistance of dilute is not ideal, and the product cannot be used in places where it is required to be placed outdoors for a long time.

It can be used in the food packaging industry through China GB9685-2008 certification.

PR144 is suitable for pre-spinning of polypropylene. In addition to coloring polyvinyl chloride and general-purpose polyolefins, and can also be used for coloring styrenic engineering plastics, very resistant to migration in soft polyvinyl chloride.

### Chemistry

#### Chemical parameter

The index number	PR-144
CAS number	5280-78-4
CI structure number	20735
EC registration number	226-106-9
Chemical category	Azo condensation
Hue	Medium red microstrip blue light
Molecular mass	828.94
Molecular formula	C40H23Cl5N6O4

#### Pigment performance

Heat resistance	300°C
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Lightfastness	7 to 8
Acid resistance	3 to 4
Alkali resistance	Level 5
Oil absorption	55
Solvent resistance	Level 3
Migration resistance	Level 5
Occlusion	Translucent
Particle shape	acicular
Halogen content (%0)	

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