



ISHIHARA SANGYO KAISHA, LTD.

TIPAQUE® PF-742

TIPAQUE® PF-742 is a medium-particle-size rutile type titanium dioxide pigment produced by the sulphate process and post-treated with silica, alumina and organic compound.

TIPAQUE® PF-742 is special grade for laminate type gravure ink, and has excellent printing properties.

TIPAQUE® PF-742 shows higher hiding power even after lamination due to the creative silica treatment in spite of relatively lower amount of surface treatment.

TIPAQUE® PF-742 has excellent lamination properties such as adhesivity and excellent re-resolvability.

<Chemical and Physical Characteristics>

	PF-742	R-830	CR-90
Particle size (μm)	0.25	0.25	0.25
TiO ₂ (%), minimum	92	93	90
Oil absorption (g/100g)	21	21	21
Post-treatment	Zn, Si, Al, Polyol	Zn, Si, Al	Si, Al
Process	Sulfate	Sulfate	Chloride

<Ink Properties> Pigment concentration : P/B=4/1

	PF-742	R-830	CR-90
Printing properties*	◎	○	△
Hiding power* (Y value)	68.9	66.5	67.7
Color* (on black substrate)	L 83.0 b -3.5	81.5 -3.3	82.3 -4.1
Adhesivity for PET film**	○	△	△
Re-resolvability**	○	△	△

* Polyurethane ink

** Vinyl chloride-vinyl acetate copolymer/polyurethane(=2/1) ink

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