

**TIPAQUE® PF-737**

**TIPAQUE® PF-737** is a small particle size rutile type titanium dioxide pigment produced by the sulphate process and post-treated with alumina and an organic compound.

**TIPAQUE® PF-737** has superior tinting strength and quite blueish tone. And it also has ease of dispersion.

**TIPAQUE® PF-737** is a suitable grade for versatile plastics applications such as polyolefin, PVC and ABS.

**<Chemical and Physical Characteristics>**

	<i>PF-737</i>	R-680
Particle Size (μm)	0.21	0.22
TiO <sub>2</sub> (%), minimum	95	95
Oil absorption (g/100g)	16	19
Post-treatment	Al, polyol	Al

**<Optical properties>***(Rigid PVC resin system)**White Sheet:10.0 PHC, Gray Sheet:2.2 PHC)*

		<i>PF-737</i>	R-680
Color	L	95.9	95.9
	b	2.7	3.0
Tinting Strength	L	42.2	41.1
	b	-2.4	-1.5

**<Dispersibility①>***(LDPE resin system)*Die head pressure ( $\Delta P$  kg/cm<sup>2</sup>)

<i>PF-737</i>	14
R-680	80

TiO<sub>2</sub> content : 10 PHR  
Screen : 400 mesh

**<Dispersibility②>***(Flexible PVC resin system)*

<i>PF-737</i>	excellent
R-680	fair

TiO<sub>2</sub> content : 10 PHC  
Twin roll clearance : 0.4 mm  
Kneading condition : 150°C × 3min.

**<Dispersibility③>***(DOP)*

residue (g)

<i>PF-737</i>	0.25
R-680	5.00 ↑

After dispersed in DOP with labo-disperser, sieve it by 50 mesh and weigh the residue.  
TiO<sub>2</sub> / DOP = 15g / 60g