

TECHNICAL DATA SHEET



ADVANCED KİMYA®

TYPE	: Thermoplastic acrylic resin
PRODUCT	: ADC P5059
<u>PRODUCT DATA</u>	
APPEARANCE	: Crystal clear
SOLVENT	: TOL/ IBA
NON-VOLATILE MATTER (%)	: 50 ±2%
ACIDITY [mgKOH/g]	: 0 ~ 2
VISCOSITY [mpa s] (25 °C)	: 10000 ~ 15000
DENSITY [g/cm ³], approx (25 °C)	: 1.01
FLASH POINT, approx (°C)	: 24
Tg (°C)	: 118

SPECIAL PROPERTIES AND USE

- Fast drying, great hardness, great adhesion, great gasoline resistance.
- Plastic coat and printing inks.

PACKAGING

- In 190 KG net mild steel tight head drums.

1.1 Aluminum powder paint formulation

Table 1.1 Aluminum powder paint formulation

Ingredients	Ratio by weight
ADC P5059	55
DISPARLON 6900	1.5
DISPARLON 4200-10	5
20% CAB-381-2 in BAC	10
13% CAB-381-20 in BAC	10
Aluminum powder	7
BAC	7
LTW Tego	2
XYL	2
BYK358N	0.3
Total	100

1.2 Aluminum powder paint Performance

Table 1.2 Coating performance

Test	Result	Standard
Adhesion	100/100	GB/T 9286-1998
Pencil hardness	H	GB/T 6739-2006
Alcohol rub test	≥200	-----

Reference: ① Thinner: BAC/XYL=1/1; ② ABS Using ABS Plastic as base material if no remarks.

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2.1 White paint formulation

Table 2.1 White paint formulation

Ingredients	Ratio by weight
ADC P5059	60
BYK110	1
XYL	3
BAC	3
Titanium dioxide Dupont 902+	30
BYK358N	0.2
EAC	2
Total	100

2.2 White paint performance

Table 2.2 Coating performance

Test	Result	Standard
Gloss (60°),%	74.2	GB/T 9754-2007
Adhesion	100/100	GB/T 9286-1998
Pencil hardness	H	GB/T 6739-2006

Reference: ① Thinner: BAC/XYL=1/1; ② ABS Using ABS Plastic as base material if no remarks.

3.1 Black paint formulation

Table 3.1 Black paint formulation

Ingredients	Ratio by weight
ADC P5059	80
BYK163	2
Cyclohexanone	2
XYL	5
BAC	7
Carbon black Evonik FW200	3
BYK358N	0.2
Total	100

3.2 Black paint performance

Table 3.2 Coating performance

Test	Result	Standard
Gloss (60°),%	76.1	GB/T 9754-2007
Adhesion	100/100	GB/T 9286-1998
Pencil hardness	H	GB/T 6739-2006

Reference: ① Thinner: BAC/XYL=1/1; ②ABS Using ABS Plastic as base material if no remarks.

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