

Aqueous polyester resins PLAS COAT series

Corporate
Website
Product
information



	Solid content (wt %)	Viscosity (mPa·s/20°C)	pH (10%aq)	Solvents	Tg (°C)	Softening point (°C)	Acid value (mgKOH/g)	Refractive index	FDA §175.105
Non solvent grade (-SO₃Na)									
Z-221	20	5	5.5	Water	47	135~140	<5	1.56	○
Z-446	25	25	6.0	Water	47	115~125	<5	1.56	○
Z-561	25	15	6.0	Water	64	170~175	<5	1.57	○

Application examples

- Protective film that can be peeled off with water / warm water
- Water-based ink / paint binders and additives

Water-based solvent grade (-SO₃Na)									
Z-565	25	15	7.0	Water+ETB	64	170~175	<5	1.57	○
Z-880	25	50	6.5	Water+ETB	20	85~95	<5	1.54	×
Z-3310	25	300	6.0	Water+ETB	-20	70~80	<5	1.53	×
RZ-105	25	70	6.0	Water+ETB	52	130~135	<5	1.56	○
RZ-570	25	50	6.0	Water+ETB	60	160~170	<5	1.57	○

Application examples

- Primer for PET film
- Antistatic (PEDOT, CNT, etc.) binder

*ETB : Ethylene glycol mono-tert-butyl ether
CAS No : 7580-85-0

High acid value grade (-COOH)									
Z-730	25	10	7.5	Water+HPA(0~0.9%)	46	80~85	40~60	1.55	○
Z-760	25	10	7.5	Water+ETB	52	90~105	40~55	1.56	○

Application examples

- Primer for PET film
- Water-based ink / paint binders and additives
- Improved water resistance and solvent resistance when used with water-based crosslinking agent

*IPA : 2-propanol (CAS No : 67-63-0)

PEN grade (Naphthalene included, -SO₃Na)									
Z-592	25	40	6.5	Water+ETB	40	140~160	<5	1.59	○
Z-687	25	80	6.0	Water	110	185~200	<5	1.61	○
Z-690	25	20	6.5	Water+ETB	110	185~205	<5	1.62	○

Application examples

- Primer for optical film

	Molecular weight	Water resistance		Solvent resistance				
		Water	Hot water	Toluene	MEK	Ethyl acetate	Ethanol	Hexane
Z-221	14,000	×	×	○	○	○	○	○
Z-446	16,000	△	×	○	△	△	○	○
Z-561	27,000	△	×	○	○	○	○	○
Z-565	25,000	○	△	○	△	△	○	○
Z-880	15,000	○	△	×	×	×	○	○
Z-3310	15,000	○	△	×	×	×	○	○
RZ-105	16,000	○	×	△	△	△	○	○
RZ-570	23,000	○	△	△	△	△	○	○
Z-730	3,000	○(○*)	×	×	×	×	△(○*)	○(○*)
Z-760	3,000	○(○*)	△(○*)	×	×	×	○(○*)	○(○*)
Z-592	26,000	○	△	×	×	×	○	○
Z-687	26,000	○	△	○	○	○	○	○
Z-690	28,000	○	△	△	△	△	○	○

*Using aqueous cross-linking agent (oxazoline type.)

