

Acrylic ester polymer
PARACRON
general catalogue



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1. Overview of PARACRON

Feature

Thermoplastic acrylic resin mainly synthesized by suspension polymerization technology.

It has excellent weather resistance and transparency, and can be dissolved in various solvents and monomers.

PARACRON is a soft (low Tg) grade and is supplied in a state of being dissolved in a solvent, etc.

Application

PARACRON is used in pressure sensitive adhesive, epoxy resin modifiers, fiber coating agents, etc.

2. Feature of PARACRON

2-1 Low Tg grade

Product name	Panlon S-2012	SN-50	AS-3000E	ME-2000
Tg(°C)	-60	-43	-36	-35
Mw	900,000	800,000	650,000	600,000
Functional group KOHmg/g	-OH 6.5	-OH 8.5	-OH 8.5	-COOH 20
Non Volatile Matter	34.5%	20%	30%	20%
Viscosity(mPa·s)	22,000	3,500	40,000	3,500
Solvent	Toluene	Toluene	Toluene : Ethyl Acetate = 9:1	Ethyl Acetate

Features: Soft, sticky, transparent

Applications: Pressure sensitive adhesives (especially for re-peeling),
fiber coating agents

Adhesive properties

Product name	Panlon S-2012	SN-50	AS-3000E	ME-2000
Adhesive strength (SUS) N/25mm	10.0	5.2	7.5	10.5
Holding power 40°C, 1kg, 24h	Drop 20min	Creep 1.5mm	Creep -	Creep -
Tack	24	4	12	Less than 2

2. Feature of PARACRON

2-2 Medium to high Tg grade

Product name	W-116.3	W-248E	W-197C	Pre-coat 200
Tg(°C)	-22	7	18	85
Mw	900,000	450,000	400,000	600,000
Functional group KOHmg/g	-COOH -OH 7.8 1.1	-OH 8.5	-OH 8.5	None
Non Volatile Matter	12.5	30	35	20
Viscosity(mPa·s)	2,000	40,000	48,000	12,000
Solvent	Toluene/MEK = 37.5/50	Toluene : Ethyl Acetate = 9:1	Toluene	Toluene : Ethyl Acetate = 3:1

Features: Medium to hard, transparent

Applications: Adhesives, fiber coatings

2. Feature of PARACRON

2-3 Epoxy group containing grade

Product name	KG-8001	KG-15
Tg(°C)	9	-6
Mw	1,200,000	550,000
Epoxy equivalent	2,500	2,900
Non Volatile Matter	15	15
Viscosity(mPa·s)	15,000	500
Solvent	MEK	MEK

Features: Contains epoxy groups

Applications: Epoxy adhesive modifier

3. Chemical Inventories

PARACRON	JAPAN	TSCA	CHINA	TAIWAN	KOREA
Panlon S-2012	○	×	×	○	×
SN-50	○	×	○	○	×
AS-3000E	○	×	○	○	×
ME-2000	○	○	○	○	○
W-116.3	○	×	○	○	○
W-248E	○	×	×	○	×
W-197C	○	×	×	○	×
Pre-coat 200	○	○	○	○	○
KG-8001	○	×	○	○	○
KG-15	○	×	○	○	○