

who has tailor-made solutions for your  
polymer and additive needs?

we do.

working for you.



**SunChemical®**

a member of the DIC group



Color & Comfort

# Polymers for Solvent, Water and Powder Coatings

	Product	Type	Application	Main Feature
<b>BURNOCK</b> Solvent-borne acrylic resins for high performance coatings, direct adhesion to plastics and other substrates, for industrial and automotive applications	AC-1218	OH functional Acrylic, 30% NV	2K single layer on plastics	Metallic pigment orientation
	AC-1612	OH functional Acrylic, 55% NV	2K single layer on plastics	High gloss, metallic pigment orientation
	AC-1835	OH functional Acrylic, 45% NV	1K primer/basecoat	Universal adhesion
	AC-8811	OH functional Acrylic, 50% NV	2K single layer on plastics	Fast drying, low hardener demand
	AC-1651	CPO modified Acrylic, 45% NV	1K primer/basecoat on plastics	Direct adhesion on polypropylene and TPO substrates
	AC-3390	OH functional Acrylic, 60% NV	2K topcoat / single layer on plastics	Self-healing properties, high gloss
	PU-8985	Core-shell Polyisocyanate, 80% NV	Hardener for 2K PUR coatings, wb & sb	Easy dispersable and long pot-life in water
<b>WATERSOL</b> Waterborne pure acrylic emulsions for high performance industrial and automotive coatings on various substrates	AC-3080	OH functional Acrylic, 45% NV	2K single layer	Universal adhesion, high chemical resistances
	AC-7000	OH functional Acrylic, 45% NV	2K single layer on plastics	Adhesion to various plastics
	AC-7506	OH functional Acrylic, 45% NV	2K single layer on plastics	Adhesion to plastic, highest chemical resistance
<b>FINEPLUS</b> Unique acrylic powders with glycidyl functionality used for automotive aluminium wheel coatings and as effective matting agents for polyester powder coatings	AC-2540	GMA Acrylic Copolymer, solid	Acrylic powder coating	Durability, flow and levelling
	AC-2555	GMA Acrylic Copolymer, solid	Acrylic powder coating	Stain and chemical resistance
	AC-2810	GMA Acrylic Copolymer, solid	Acrylic powder coating	Durability, flow
	AC-2440	GMA Acrylic Copolymer, solid	Acrylic powder coating	High heat stability
	AC-2490	GMA Acrylic Copolymer, solid	Crosslinking of Polyester powder coating	Matting, gloss control
<b>BURNOCK and WATERSOL</b> Modified resins specially designed for metal substrates	EP-9547	Urethane modified Epoxy, 60% NV	2K heavy duty primer	Improved mechanical properties
	HY-3350	Latex modified Epoxyester, 43% NV	Air/forced drying dip coating	Excellent sag resistance
	EP-5501	Acrylic modified Epoxyester, 80% NV	Air/forced drying and stoving enamel	Fast drying
	PE-2101	Polyester Polyol, branched, 80% NV	Adhesion promoter for coil coatings	Excellent adhesion
	DB-1000K	Blocked Isocyanate, 100% NV	Crosslinker for Epoxy adhesives	Excellent mechanical properties



We have solutions for your most complex requirements

## BURNOCK

Solvent-borne polyurethane resins for high performance printing inks used for flexible packaging

Product	Type	Application	Main feature
PU-4201	Aliphatic PUR, 30% NV	Printing inks on film (PET, BOPP, OPA)	Mono-solvent flexo/gravure inks, hot steam resistance
PU-4210	Semi-aliphatic PUR, 57% NV	Printing inks on film (PET, BOPP, OPA)	Suitable for surface and lamination printing inks
PU-4260	Aliphatic PUR, 60% NV	Printing inks on film (PET, BOPP, OPA)	Excellent re-solubility on the press
PU-4285	Aliphatic PUR, 55% NV	Printing inks on film (PET, BOPP, OPA)	For high opaque laminating inks

## WATERSOL and HYDRAN

Waterbased polyurethane resins with excellent adhesion and high resistance for various primers and coatings

PU-3110	Polyester PUD, 45% NV	PVC, aluminium film etc.	Universal adhesion
AP-201	Polyester PUD, 23% NV	Food contact film (BOPP, PET)	Flexible and tough film, high water resistance
AP-40F	Polyester PUD, 23% NV	PET film	Excellent adhesion to PET
AP-301	Polyester PUD, 40% NV	UV printable film	Excellent adhesion to UV inks
CP-Series	Cationic Polyester PUD, 25% NV	Thin anticorrosion layer	High durability and flexibility, excellent adhesion to metal
HW-178	Anionic Polyester PUD, 35% NV	Thin anticorrosion layer	High durability and hardness, excellent adhesion to metal

## HYDRAN

DIC's polyurethane dispersions (PUDs) for artificial leather applications provide peel strength, texture, permeability and adhesion to base fabrics

WLS-290SG	Aliphatic Polycarbonate PUD, 30% NV	Skin layer	Silicon grafted for excellent abrasion resistance
WLS-286BP	Aliphatic Polycarbonate PUD, 28% NV	Skin layer	Sustainability and excellent flexibility
WLA-515AR	Aromatic Polyether / PC PUD, 44% NV	Adhesion layer	Strong adhesion for dry lamination
WLA-195AR	Aromatic Polyether PUD, 56% NV	Adhesion layer	1K, hot-melt-adhesion performance
WLI-247NY	Aliphatic Polycarbonate PUD, 38% NV	Coagulation layer	Good balance of softness and resistance

## VONDIC and HYDRAN

Polymer dispersion and emulsions for fibre sizing applications

V1970NE	Polyether PUD, 45% NV	Glass fibre sizing	High heat resistance, high elongation
V1980NE	Polyester PUD, 45% NV	Glass fibre sizing	High heat resistance, medium elongation
GF-105	Vinyl Ester emulsion, 25% NV	Carbon fibre sizing	Low fuzz, high mechanical properties
CF-025	Epoxy emulsion, 27% NV	Carbon fibre sizing	Low fuzz, high flexibility

	Product	Type	Description	Main feature
<b>EPICLON</b> DIC's epoxy resins for high-performance composites applications like aerospace, automotive, etc.	HP-4032SS	Naphthalene type Epoxy	Difunctional, low viscosity	High modulus, high strength
	HP-4770	Naphthalene type Epoxy	Difunctional, medium viscosity	Excellent balance of Tg and modulus
	HP-4710	Naphthalene type Epoxy	Tetrafunctional resin, high viscosity	Ultra high Tg
	HP-7250	Modified Novolac Epoxy	Multifunctional, low melt viscosity	High Tg, excellent hot/wet properties
<b>EPICLON</b> Epoxy resins for multiple E&E applications like semiconductor encapsulation, EMC, CCL, etc.	N-600 Series	o-Cresol Novolac Epoxy	Functionality from 4.3 to 7.6	High Tg, excellent curability
	N-700 Series	Phenol Novolac Epoxy	Functionality from 2.6 to 6.4	High Tg, high mechanical properties
	800 CRP&LV Series	Distilled BPA and/or BPF Epoxy	Very low viscosity	Ultra low total chlorine content
	HP-7200 Series	DCPD Epoxy	Multifunctional	Very low moisture absorption at high Tg
	HP-5000	Modified Novolac Epoxy	Low Dk / Df	Low flammability in halogen free systems
	EXA-4800 Series	Liquid high performance Epoxy	Unique flexible skeleton	High flexibility and toughness
<b>PHENOLITE</b> Novolac hardeners for epoxy systems in E&E applications	TD-Series	Phenol Novolac	High Tg system	High reactivity, low moisture absorption
	KA-Series	o-Cresol Novolac	High Tg system	High heat resistance, low moisture absorption
	VH-Series	Bisphenol-A Novolac	High Tg system	High mechanical strength
<b>BURNOCK</b> Phenolic resins for can and drum coatings	PH-6820	Phenol Resol, 60% NV	Hardener for Epoxy system	Excellent chemical resistance
	PH-1410	Phenol Resol, 60% NV	Hardener for Epoxy system	High flexibility, low reactivity
	PH-2891	Phenol Resol, 50% NV	Hardener for Epoxy system	Fast curing, broad compatibility



	Product	Type	Application	Main feature
<b>FINEPLUS</b> Polyester polyol resins for PUR reactive hot melt adhesives used in automotive, furniture, textile and shoe industries	HM-1805	Polyester Polyol, linear and difunctional	Reactive PUR HM adhesive	Amorphous, high Tg, improves adhesion on polar substrates, increases viscosity and green strength
	HM-1853	Polyester Polyol, linear and difunctional	Reactive PUR HM adhesive	
	HM-2662	Polyester Polyol, linear and difunctional	Reactive PUR HM adhesive	Semi-crystalline, low Tg, improves adhesion on non-polar substrates, increases flexibility and open time
	HM-2686	Polyester Polyol, linear and difunctional	Reactive PUR HM adhesive	
	HM-3126	Polyester Polyol, linear and difunctional	Reactive PUR HM adhesive	Crystalline, provides fast setting of adhesives, reduces melt viscosity
	HM-3107	Polyester Polyol, linear and difunctional	Reactive PUR HM adhesive	
<b>DEFENSA</b> Fluoro-coatings for flexible substrates	TR-Series	Fluorochemical based coatings, sb	Films, synthetic leather, textiles etc.	Stain guard, easy to clean
<b>BURNOCK</b> Specialty adhesives and coatings for lamination applications	DS-1306	2K sb adhesive	Industrial laminates	Excellent adhesion to CPP film
	CA-022	2K sb adhesive	Photovoltaic backsheets	Excellent hydrolysis resistance, strong long time adhesion
	DS-1340	2K sb primer coat, clear	Photovoltaic backsheets	High heat and humidity resistance
	DS-1360	2K sb primer coat, white	Photovoltaic backsheets	High heat and humidity resistance, high reflection
<b>DICNATE</b> Cobalt free metal carboxylate driers for paints, coatings and inks	MV-130A	Ligand boosted Manganese drier	Alkyd paint, sb & wb	Excellent drying, VOC free
	MV-625A	Ligand boosted Manganese drier	Oxidative drying inks	High drying speed
	Mn8%ME	Manganese drier	Oxidative drying inks	Good cost performance
<b>DIALUBE</b> Lubricant EP additives based on sulphurised esters, fats and olefines for metal working fluids, greases and coolants	GS-440L	Olefin based EPA	MWF, active type, light colour	Excellent EP performance
	GS-330	Vegetable Oil / Olefin based EPA	MWF, inactive type, light colour	Stable low friction, soluble in Group III oils
	IS-30	Olefin based EPA	MFW, inactive type, light colour	High EP performance by moderate sulphur release



quality

service

innovation

### A partner who transforms with you.

Today's environment requires more than change. It demands transformation — and a partner who's willing to transform with you. Sun Chemical, a member of the DIC group, is a leading producer of packaging and graphic solutions, color and display technologies, functional products, electronic materials, and products for the automotive and healthcare industries. Together with DIC, Sun Chemical is continuously working to promote and develop sustainable solutions to exceed customer expectations and better the world around us. With combined annual sales of more than \$8.5 billion and 22,000+ employees worldwide, the DIC Group companies support a diverse collection of global customers. As you move forward into a world of stiffer competition, faster turnarounds, more complex demands and sustainable products, count on Sun Chemical to be your partner.

**working for you.**

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