



pure

ION EXCHANGE RESINS

www.pureresin.co.kr

PURE RESIN

PURE RESIN COMPANY



Pure Resin Company Limited, as one of the biggest Ion Exchange Resin manufacturers in China, is producing a variety of resins for a far-ranging application, from water treatment, residential water softening, portable exchange deionization, pharmaceutical metals removal, mining, catalysts, sweetener processing, beverage and dairy processing, food processing, product purification, semiconductor, fine chemicals, petrochemical/chemical processing, pollution control, to nuclear processing, as well as other demanding processes.

Over 100C steam washing ensures the cleanness of our resins, and the technique of single-step suspension copolymerization guarantees our goods with an excellent resistance to attrition and osmotic shock, and a thimbleful of exudation. Convincingly, our product has been validated by a series of authentications, such as WQA(Water Quality Association)'s certificate of NSF/ANSI 44 & 61 in accordance with "Drink water system components - health effects" and "Residential cation exchange water softeners", SGS test, Sanitary administration test of food grade and ISO 14001 & 9001, etc.

Based on a powerful R & D capability by combining with Zhejiang University, one of the most famous universities in China, we also apply ourselves to the development and producing of resins for the solid-phase synthesis. Solid phase peptide synthesis (SPPS) has been proven to be an important method for producing peptides and small proteins of specific sequences. Moreover, other product specifications can be custom-made according to your demands.

Till now, over 85% Pure's products are sold to American and European markets. We are dedicated to providing all customers' satisfaction, offering the best service and the most competitive price.

ISO 14001 & 9001

SGS



WQA Certificate
According to NSF 44& 61

Pure resin 타사 동등 제품 사양표

PURE	MITSUBISHI DIAION	RESINTECH	ROHM&HAAS AMBERLITE	DOW DOWEX	PUROLITE	BAYER LEWATIT
STRONG ACID CATION RESINS						
PC001			IR118		C120E	
PC002/PC002BK		CGS/CGS-BL	IR120	HCR-S/S / FF	C100E	S100LF
PC003/PC003BK	SK1B	CG8/CG8-BL	IR120	HCR-S	C100	S100
PC003H/PC003H-BK		CG8-H/CG8-H-BL			C100H	
PC003IND						
PC002NS						
PC003NS						
PC003C					C100C	
PC003MB		CG8-C			C100MB	
PC003F		CG8-F				
PC003UN		CG8-UPS		MARATHON C		
PC004/PC004BK	SK110	CG10	IR122	HGR-W2	C100x10	S110
PC005/PC005BK				HGR	C100x12	
PC100	PK216-228	SACMP	IR252/AMB252	MSC-1/C (H)	C150	SP112-120
PC100H		SACMP-H				
WEAK ACID CATION RESINS						
PC200	MWC-1	WACG	IRC76/86	MAC-3	C104	CNP-80/CNP/LF
PC200NA						
PC200FDH					C107E	
PC200FDK						
STRONG BASE ANION RESINS						
PA101	SA 12A	SBG1P	IRA402	SBR-P	A400	M500
PA102	SA 10A	SBG1	IRA400	SBR	A600	M500/511
PA103	SA 20A	SBG2	IRA410	SAR	A200	M600
PA104	SA 20A	SBG2		SAR	A300	M610
PA200	PA308/312	SBMP1	IRA900	MSA-1 C	A500	MP500
PA201	PA412/416		IRA910	MSA-2 / 22	A510	MP600
PA501		SBACR1	IRA458		A850	VP OC1071
PA510			IRA958		A860	VP OC1074
WEAK BASE ANION RESINS						
PA300	WA 30	WBMP	IRA93	MWA-1	A100	MP62-64
PA301			IRA92	M-43	A103	
PA503	WA 11		IRA68/67	66	A845	VP OC1072
PA511			IRA60		A830	AP49
SPECIAL RESINS						
PCT100D						
PCT200			A35	M-31	CT175	K1221/2641-49
PCR218						
PA202		SIR-100	IRA996		A520E	
PA203		SIR-110MP			A530	
PA204		SIR-110				
PA205	HPA25	SIR-22P	IRA958		A500P	S6328A
PS400	CR 11	SIR-300	IRC748	XZ95843	S930	TP207/208
PS410		SIR-500	IRC747	XZ87480	S940	TP260
PS420		SIR-200/400	GT73	XZ95844	S920	TP214
PS430						
PS440		ASM-10-HP				
PS450				XUS43604.00	S992	
PS460						
PS470					S108	
PB600	HP20		XAD4		AP250	
PB600SS	HP20SS					
PC201						
PI-1		IT-1	359	IF-59		IN38
PI-2					IP-7	
READY TO USE MIXED BED RESINS						
PMB101			MB20/MB9	MB/MB-50/MR-3	MB400/MB46	
PMB101S						
PMB101S-UN						

* 제조사별 제품 특성에 따라 다소 차이가 있을 수 있습니다.

* 제품 사양은 변경이 될 수 있으며, www.yuwontech.com 에서 확인하시기 바랍니다.

CATION RESINS (양이온교환수지)

PURE	Type	Ionic Form	Moisture%	Volume Capacity mmol/ml	Shipping Weight g/ml	Particle Size%	Comments
PC001	Strong Acid Poly-styrene	Na ⁺	56-63	≥ 1.6	0.73-0.84	0.315-1.25mm ≥ 95	Gel type, widely used in water conditioning, including water softening and deionization, available in amber and black color(BK), H form and Na form.
PC002, PC002BK	Strong Acid Poly-styrene	Na ⁺	45-50	≥ 1.9	0.77-0.87	0.315-1.25mm ≥ 95	
PC003, PC003BK	Strong Acid Poly-styrene	Na ⁺	43-48	≥ 2.0	0.78-0.88	0.315-1.25mm ≥ 95	
PC003H, PC003H-BK	Strong Acid Poly-styrene	H ⁺	50-56	≥ 1.9	0.77-0.87	0.315-1.25mm ≥ 95	
PC003IND	Strong Acid Poly-styrene	H ⁺	50-56	≥ 1.9	0.77-0.87	0.315-1.25mm ≥ 95	Indicator Resin, color changes from green to purple, or purple to yellow.
PC002NS	Strong Acid Poly-styrene	Na ⁺	45-50	≥ 1.9	0.77-0.87	0.315-1.25mm ≥ 95	Gel type, no-solvent SAC, for potable water softening.
PC003NS	Strong Acid Poly-styrene	Na ⁺	43-48	≥ 2.0	0.79-0.86	0.315-1.25mm ≥ 95	
PC003C	Strong Acid Poly-styrene	Na ⁺	43-48	≥ 2.0	0.78-0.88	0.42-1.25mm ≥ 95	Gel type, with coarse bead size for softening and demineralisation.
PC003MB	Strong Acid Poly-styrene	Na ⁺	43-48	≥ 2.0	0.78-0.88	0.50-1.25mm ≥ 95	Gel Type, mixed bed grade resin, use for softening and demineralisation.
PC003F	Strong Acid Poly-styrene	Na ⁺	43-48	≥ 2.0	0.78-0.88	0.20-0.50mm ≥ 95	Gel type, fine mesh particle size, higher operating capacity for water softening, effective for iron removal.
PC003UN	Strong Acid Poly-styrene	Na ⁺	43-48	≥ 2.0	0.78-0.88	0.50-0.71mm ≥ 95 0.42-0.84mm ≥ 95	Gel type, uniform particle size, higher operating capacity for water softening.
PC004, PC004BK	Strong Acid Poly-styrene	Na ⁺	40-46	≥ 2.1	0.80-0.88	0.315-1.25mm ≥ 95	Gel type with excellent resistance to oxidation. High capacity. Available in amber and black color(BK), Na form and H form. Excellent for high temperature applications, such as softening, dealkalization, deionization, ect.
PC005, PC005BK	Strong Acid Poly-styrene	Na ⁺	38-45	≥ 2.2	0.80-0.88	0.315-1.25mm ≥ 95	
PC100	Strong Acid Poly-styrene	Na ⁺	45-55	≥ 1.8	0.76-0.83	0.315-1.25mm ≥ 95	Macroporous type with excellent resistance to oxidation, attrition and osmotic shock. available in Na form and H form.
PC100H	Strong Acid Poly-styrene	H ⁺	50-60	≥ 1.7	0.76-0.83	0.315-1.25mm ≥ 95	
PC200	Weak Acid Poly-acrylic	H ⁺	45-55	≥ 4.2	0.72-0.80	0.315-1.25mm ≥ 95	Macroporous type. High Capacity. Removal of temporary hardness and alkalinity, waste water treatment, recovery of noble metals, available in H form and Na form.
PC200NA	Weak Acid Poly-acrylic	Na ⁺	50-65	≥ 2.5	0.72-0.80	0.315-1.25mm ≥ 95	
PC200FDH	Weak Acid Poly-acrylic	H ⁺	50-60	≥ 4.0	0.70-0.78	0.315-1.25mm ≥ 95	Macroporous type, food grade, available in H form and K form, well used in potable water.
PC200FDK	Weak Acid Poly-acrylic	K ⁺ /H ⁺	50-60	≥ 3.5	0.70-0.78	0.315-1.25mm ≥ 95	

* Other particle size range is also available, such as uniform particle size, fine mesh ect.

ANION RESINS (음이온교환수지)

PURE	Type	Ionic Form	Moisture%	Volume Capacity mmol/ml	Shipping Weight g/ml	Particle Size %	Comments
PA101	Poly-styrene Type I	Cl ⁻	48-58	≥ 1.3	0.66-0.71	0.315-1.25mm ≥ 95	Standard Gel Type I, SBA. High operating capacity. Good Kinetics and mechanical strength, good sillical removal, used for condensate deionization and mixed bed, OH form also available.
PA102	Poly-styrene Type I	Cl ⁻	42-48	≥ 1.5	0.67-0.73	0.315-1.25mm ≥ 95	
PA103	Poly-styrene Type II	Cl ⁻	45-51	≥ 1.3	0.68-0.76	0.315-1.25mm ≥ 95	Standard Gel Type II, SBA; Featuring very high capacity and regeneration efficiency. Greater resistance to organics than Type I resins.Excellent for 2 beds services;OH form also available.
PA104	Poly-styrene Type II	Cl ⁻	37-44	≥ 1.5	0.68-0.76	0.315-1.25mm ≥ 95	
PA200	Poly-styrene Type I	Cl ⁻	50-60	≥ 1.15	0.66-0.73	0.315-1.25mm ≥ 95	Macroporous Type I, SBA. Good mechanical and osmotic resistance, well used for demineralization. Good sillical removal. OH form also available for immediate use.
PA201	Poly-styrene Type II	Cl ⁻	47-57	≥ 1.2	0.68-0.73	0.315-1.25mm ≥ 95	Macroporous Type II, SBA. High operating capacity. Especially for water source with higher salt content, decolorization of sugar liquor and separation of biochemicals.
PA501	Poly-acrylic	Cl ⁻	55-65	≥ 1.2	0.68-0.75	0.315-1.25mm ≥ 95	Gel type, SBA, acrylic structure ensures excellent removal of organic matter. For demineralisation of water and sugar decolorisation.
PA510	Poly-acrylic	Cl ⁻	65-75	≥ 0.8	0.65-0.72	0.315-1.25mm ≥ 95	Macroporous type, acrylic SBA. Adsorbent resin for decolorisation of organic solution. Organic scavenger.
PA300	Poly-styrene	Free Base	50-60	≥ 1.4	0.65-0.72	0.315-1.25mm ≥ 95	Macroporous type, WBA, optimised for water demineralization resistant to organic fouling and decolorization.
PA301	Poly-styrene	Free Base	47-55	≥ 1.6	0.65-0.72	0.315-1.25mm ≥ 95	
PA503	Poly-acrylic	Free Base	56-62	≥ 1.6	0.64-0.71	0.315-1.25mm ≥ 95	Gel type, acrylic structure, WBA. Demineralisation of water high in organic matter, and organic solution(sugar juices). High operational capacity.
PA511	Poly-acrylic	Free Base	50-60	≥ 2.6	0.65-0.75	0.315-1.25mm ≥ 95	Macroporous Type, WBA, acrylic matrix ensures excellent removal of both mineral and organic acids.High capacity.

* Other particle size range is also available, such as uniform particle size, fine mesh ect.

SPECIAL RESINS (특수 이온교환수지)

PURE	Type	Ionic Form	Moisture%	Volume Capacity mmol/ml	Shipping Weight g/ml	Particle Size %	Comments
PCT100D	Strong Acid	H ⁺	3-5	≥ 1.8	0.78-0.88	0.40-1.25mm ≥ 95	Gel Type, dry resin. It is well suited for polymerization, epoxidation and peroxidation as catalyst.
PCT200	Strong Acid	H ⁺	50-60	≥ 1.8	0.75-0.84	0.40-1.25mm ≥ 95	Macroporous Type. As catalysts in synthetic industry(MTBE).
PCR218	Strong Acid	H ⁺	50-60	≥ 1.8	0.75-0.84	0.30-0.50mm ≥ 95	Chromatographic Separation Resin, used for sweetener and bio-industry separations.
PA202	Strong Base Anion	Cl ⁻	48-58	≥ 1.0	0.65-0.73	0.315-1.25mm ≥ 95	Selectively removes nitrate in potable water.
PA203	Strong Base Anion	Cl ⁻	50-65	≥ 0.6	0.65-0.73	0.40-1.25mm ≥ 95	Selectively removes ClO ₃ ⁻ in potable water.
PA204	Strong Base Anion	Cl ⁻	40-50	≥ 0.75	0.65-0.70	0.40-1.25mm ≥ 95	Gel Type. Specific for nitrate removal and single-use perchlorate removal applications.
PA205	Poly-styrene	Cl ⁻	65-80	≥ 0.75	0.64-0.67	0.315-1.25mm ≥ 95	For use of color and organic removal, such as decolorisation of sugar solutions, Tannins removal from industrial and domestic water supplies.
PS400	Chelating	Na ⁺	45-50	≥ 1.0	0.71-0.75	0.45-1.00mm ≥ 95	Selective removal of polyvalent ions.
PS410	Chelating	Na ⁺	60-65	≥ 0.5	0.71-0.75	0.40-0.85mm ≥ 95	Used for separation and recovery of heavy metals. Especially used for decalcification of brine.
PS420	Chelating	H ⁺	48-55	≥ 0.8	0.72-0.78	0.40-1.25mm ≥ 95	With -SH groups, highly selective for various kinds of Mercury removal.
PS430	Strong Base Anion	Cl ⁻	45-60		0.66-0.73	0.315-1.25mm ≥ 95	Selective Fe ³⁺ removal from high concentrated HCl solution.
PS440	Chelating		50-58	≥ 0.5	0.73-0.82	0.315-1.25mm ≥ 95	Specific for Arsenic removal.
PS450	Chelating	Cl ⁻	47-55	≥ 4.5	0.7-0.82	0.80-1.30mm ≥ 90	Specific for valuable metal recovery, such as uranium extraction.
PS460	—	Al	50-55	≥ 0.5	0.72-0.80	0.315-1.25mm ≥ 95	Selective for F ⁻ removal
PS470	Chelating	Free Base	52-60	≥ 0.9	0.7-0.76	0.315-1.25mm ≥ 95	With N-methylglucamine group, high selective and high capacity for Boron adsorption.
PB600	Adsorbent	—	50-60	—	0.65-0.72	0.40-0.71mm ≥ 95	Adsorption and separation of non-polar substances in polar solution, decoloration and clearing of waste water in food and drinking industries.
PB600SS	Adsorbent	—	58-67	—	0.65-0.72	50-150um ≥ 95	Fine mesh particle size. Adsorption and separation of non-polar substances in polar solution, decoloration and clearing of waste water in food and drinking industries.
PC201	Weak Acid Cation	H ⁺	60-80	≥ 4.0 mmol/g	1.05-1.15	0.315-1.25mm ≥ 95	Phenolic aldehyde function. Decoloration of streptomycin, terramycin, amino acid and sugar, recovery of protease vitamin B12.
PI-1	Inert Polymer	—	—	—	0.5-0.57	Length 1.4 ± 0.1mm Diameter 1.3 ± 0.1mm	Inert polymer in the form of Cylinder.
PI-2	Inert Polymer	—	≤ 6	—	—	1.00-2.50mm ≥ 95	Inert polymer beads.

READY TO USE MIXED BED RESINS (순수용 혼합수지)

PURE	Type	Ionic Form	Shipping Weight g/ml	Particle Size %	Comments
PMB101	Mixed of PC003/PA101	H ⁺ /OH ⁻ 99%H ⁺ ,90%OH ⁻	0.70-0.74	0.315-1.25mm ≥ 95	Ready for use regenerable mixed bed for water deionization with high silica removal efficiency and refine water for electrical home appliances. Cation:Anion ratio 2:3, The conductivity is 0.1us/cm max.
PMB101S	Mixed of PC003/PA101	H ⁺ /OH ⁻ 99%H ⁺ ,90%OH ⁻	0.70-0.74	0.315-1.25mm ≥ 95	Ready for use regenerable mixed bed for water deionization with high silica removal efficiency and refine water for electrical home appliances. Cation:Anion ratio 2:3, The conductivity is 0.06us/cm max.
PMB101S-UN	Mixed of PC003/PA101	H ⁺ /OH ⁻ 99%H ⁺ ,90%OH ⁻	0.70-0.74	0.3-0.6mm ≥ 95	Ready for use regenerable mixed bed for water deionization with high silica removal efficiency and refine water for electrical home appliances. Cation:Anion ratio 2:3, The conductivity is 0.06us/cm max. Special particle size range, high capacity

* For mixed bed resin, the volume ratio Cation/Anion 1:1 and 1:2 are also available.

* The conductivity of the above mixed bed are all less than 0.1μs, the resistivity can reach 10 megohms, 15megohms and 18megohms.

* Regenerable and non regenerable mixed bed are both available.

* 제품 사양은 수시로 변경될 수 있으므로 www.pureresin.co.kr에서 확인하시기 바랍니다.

* 제품 견본 및 구입 문의 전화 031)292-6331