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SuperEx®

SuperEx - Range of Ion Exchange Resin Products

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	Product Description	Product Name	Matrix	Functional Group	Type	Form	Total Exchange Capacity meq/l	Moisture %	Reversible Swelling %	Particle Size Distribution mm	Effective Size mm	Uniform Coefficent	Backwash Settled Density g/l	Maximum Operating Temperature	Product Application
Range of Cation Exchange Resins	Standard Cation Exchange Resins	SuperEx C 12 Na	Styrene DVB Copolymer	Sulphonic Acid	Gel	Na	1.2	57 to 67	8	0.3 to 1.2	0.45 to 0.55	1.6	760 to 800	120	Specialty application
		SuperEx C 18 H	Styrene DVB Copolymer	Sulphonic Acid	Gel	H	1.8	49 to 55	7	0.3 to 1.2	0.45 to 0.55	1.6	810 to 850	120	Softening & Demineralization
		SuperEx C 18 Na	Styrene DVB Copolymer	Sulphonic Acid	Gel	Na	2	44 to 50	8	0.3 to 1.2	0.45 to 0.55	1.6	810 to 850	120	Demineralization
		SuperEx C 20 H	Styrene DVB Copolymer	Sulphonic Acid	Gel	H	2	45 to 51	8	0.3 to 1.2	0.45 to 0.55	1.6	810 to 850	120	Demineralization
		SuperEx C 20 Na	Styrene DVB Copolymer	Sulphonic Acid	Gel	Na	2.1	35 to 45	7	0.3 to 1.2	0.45 to 0.55	1.6	830 to 870	120	Softening & Demineralization
		SuperEx S 20 Na	Styrene DVB Copolymer	Sulphonic Acid	Gel	Na	2.1	35 to 45	7	0.3 to 1.2	0.45 to 0.55	1.6	830 to 870	120	Softening & Demineralization
		SuperEx WAC 40	Styrene Acrylic Copolymer	Carboxylic Acid	Gel	H	4	45 to 50	100	0.3 to 1.2	0.45 to 0.55	1.6	730 to 770	100	Softening & Demineralization
		SuperEx WAC 42	Styrene Acrylic Copolymer	Carboxylic Acid	Gel	H	4.2	45 to 50	60	0.3 to 1.2	0.45 to 0.55	1.6	700 to 740	100	Softening & Demineralization
	Custom Made Cation Exchange Resins	SuperEx C 12 CM Na	Styrene DVB Copolymer	Sulphonic Acid	Gel	Na	1.2	57 to 67	8	As per reqt.	MOQ Applicable	1.4	760 to 800	120	Specialty application
		SuperEx C 18 CM H	Styrene DVB Copolymer	Sulphonic Acid	Gel	H	1.8	49 to 55	7	As per reqt.	MOQ Applicable	1.4	810 to 850	120	Softening & Demineralization
		SuperEx C 18 CM Na	Styrene DVB Copolymer	Sulphonic Acid	Gel	Na	2	44 to 50	7	As per reqt.	MOQ Applicable	1.4	810 to 850	120	Demineralization
		SuperEx C 20 CM H	Styrene DVB Copolymer	Sulphonic Acid	Gel	H	2	45 to 51	8	As per reqt.	MOQ Applicable	1.4	810 to 850	120	Demineralization
		SuperEx C 20 CM Na	Styrene DVB Copolymer	Sulphonic Acid	Gel	Na	2.1	35 to 45	7	As per reqt.	MOQ Applicable	1.4	830 to 870	120	Softening & Demineralization
		SuperEx S 20 CM Na	Styrene DVB Copolymer	Sulphonic Acid	Gel	Na	2.1	35 to 45	7	As per reqt.	MOQ Applicable	1.4	830 to 870	120	Softening & Demineralization
	Uniform Particle Size Cation Exchange Resins	SuperEx C 12 H UPS	Styrene DVB Copolymer	Sulphonic Acid	Gel	H	1.2	65 to 70	9	0.55 to 0.65	--	1.1	740 to 780	120	Specialty application
		SuperEx C 18 H UPS	Styrene DVB Copolymer	Sulphonic Acid	Gel	H	1.8	50 to 56	9	0.55 to 0.65	--	1.1	780 to 820	120	Softening & Demineralization
		SuperEx C 18 Na UPS	Styrene DVB Copolymer	Sulphonic Acid	Gel	Na	2	43 to 49	9	0.55 to 0.65	--	1.1	825 to 865	120	Demineralization
		SuperEx C 20 H UPS	Styrene DVB Copolymer	Sulphonic Acid	Gel	H	2	45 to 51	8	0.55 to 0.65	--	1.1	810 to 850	120	Demineralization
		SuperEx C 20 Na UPS	Styrene DVB Copolymer	Sulphonic Acid	Gel	Na	2.1	35 to 45	7	0.55 to 0.65	--	1.1	830 to 870	120	Softening & Demineralization
		SuperEx S 20 Na UPS	Styrene DVB Copolymer	Sulphonic Acid	Gel	Na	2.1	35 to 45	7	0.55 to 0.65	--	1.1	830 to 870	120	Softening & Demineralization
Range of Anion Exchange Resins	Standard Anion Exchange Resins	SuperEx WAMP 16	Styrene DVB Copolymer	Trimethyl Amine	MP	Free base	1.6	55 to 65	20	0.3 to 1.2	0.45 to 0.55	1.6	680 to 720	80	Mineral acid removal & Demineralization
		SuperEx A 14 Cl	Styrene DVB Copolymer	Trimethyl Amine	Gel	Cl	1.3	48 to 55	24	0.3 to 1.2	0.45 to 0.55	1.6	660 to 700	80	Demineralization
		SuperEx A 14 OH	Styrene DVB Copolymer	Trimethyl Amine	Gel	OH	1	67 to 73	20	0.3 to 1.2	0.45 to 0.55	1.6	670 to 710	80	Demineralization
		SuperEx A 14 MP Cl	Styrene DVB Copolymer	Trimethyl Amine	MP	Cl	1.2	49 to 55	9	0.3 to 1.2	0.45 to 0.55	1.6	665 to 715	80	Demineralization
		SuperEx A 40 Cl	Styrene DVB Copolymer	Dimethyl Amine	Gel	Cl	1.3	39 to 45	12	0.3 to 1.2	0.45 to 0.55	1.6	690 to 720	60	Demineralization
		SuperEx A 40 MP	Styrene DVB Copolymer	Dimethyl Amine	MP	Cl	1.2	46 to 52	13	0.3 to 1.2	0.45 to 0.55	1.6	660 to 700	60	Demineralization
	Custom Made Anion Exchange Resins	SuperEx WAMP CM 16	Styrene DVB Copolymer	Trimethyl Amine	MP	Free base	1.6	55 to 65	20	As per reqt.	MOQ Applicable	1.5	680 to 720	80	Mineral acid removal & Demineralization
		SuperEx A 14 CM Cl	Styrene DVB Copolymer	Trimethyl Amine	Gel	Cl	1.3	49 to 55	24	As per reqt.	MOQ Applicable	1.4	665 to 715	80	Demineralization
		SuperEx A 14 CM OH	Styrene DVB Copolymer	Trimethyl Amine	Gel	OH	1	67 to 73	20	As per reqt.	MOQ Applicable	1.5	670 to 710	80	Demineralization
		SuperEx A 14 MP CM Cl	Styrene DVB Copolymer	Trimethyl Amine	MP	Cl	1.2	49 to 55	9	As per reqt.	MOQ Applicable	1.4	665 to 715	80	Demineralization
		SuperEx A 40 CM Cl	Styrene DVB Copolymer	Dimethyl Amine	Gel	Cl	1.3	39 to 45	12	As per reqt.	MOQ Applicable	1.5	690 to 720	60	Demineralization
		SuperEx A 40 MP CM Cl	Styrene DVB Copolymer	Dimethyl Amine	MP	Cl	1.2	46 to 52	13	As per reqt.	MOQ Applicable	1.5	660 to 700	60	Demineralization

	Product Description	Product Name	Matrix	Functional Group	Type	Form	Total Exchange Capacity meq/l	Moisture %	Reversible Swelling %	Particle Size Distribution mm	Effective Size mm	Uniform Coefficent	Backwash Settled Density g/l	Maximum Operating Temperature	Product Application
Range of Anion Exchange Resins	Uniform Particle Size Anion Exchange Resins	SuperEx WAMP 16 UPS	Styrene DVB Copolymer	Trimethyl Amine	MP	Free base	1.6	55 to 65	20	0.55 to 0.65	--	1.1	680 to 720	80	Mineral acid removal & Demineralization
		SuperEx A 14 Cl UPS	Styrene DVB Copolymer	Trimethyl Amine	Gel	Cl	1.3	48 to 55	24	0.55 to 0.65	--	1.1	660 to 700	80	Demineralization
		SuperEx A 14 OH UPS	Styrene DVB Copolymer	Trimethyl Amine	Gel	OH	1	67 to 73	20	0.55 to 0.65	--	1.1	670 to 710	80	Demineralization
		SuperEx A 40 Cl UPS	Styrene DVB Copolymer	Dimethyl Amine	Gel	Cl	1.3	39 to 45	12	0.55 to 0.65	--	1.1	690 to 720	60	Demineralization
		SuperEx A 14 MP Cl UPS	Styrene DVB Copolymer	Trimethyl Amine	MP	Cl	1.2	49 to 55	9	0.55 to 0.65	--	1.1	665 to 715	80	Demineralization
		SuperEx A 40 MP Cl UPS	Styrene DVB Copolymer	Dimethyl Amine	MP	Cl	1.2	46 to 52	13	0.55 to 0.65	--	1.1	660 to 700	80	Demineralization
Range of Ion ExchangeResins (Mix Bed)	Standard Mixed Bed Resins	SuperEx MB 50	Styrene DVB Copolymer	Sulphonic Acid & Trimethyl Amine	Gel	H/OH	1.8/1.0	--	--	--	0.45 to 0.55	1.6	700 to 750	80	Pure water application
		SuperEx MB 55	Styrene DVB Copolymer	Sulphonic Acid & Trimethyl Amine	Gel	H/OH	1.8/1.0	--	--	--	0.45 to 0.55	1.6	700 to 750	80	Pure water application
		SuperEx MB 60	Styrene DVB Copolymer	Sulphonic Acid & Trimethyl Amine	Gel	H/OH	1.8/1.0	--	--	--	0.45 to 0.55	1.6	700 to 750	80	Pure water application
	Uniform Particle Size Mixed Bed Resins	SuperEx UPW MB 50	Styrene DVB Copolymer	Sulphonic Acid & Quaternary Ammonium	Gel	H/OH	1.8/1.0	--	--	0.55 to 0.65	--	1.1	700 to 750	80	Ultra pure water
		SuperEx UPW MB 55	Styrene DVB Copolymer	Sulphonic Acid & Quaternary Ammonium	Gel	H/OH	1.8/1.0	--	--	0.55 to 0.65	--	1.1	700 to 750	80	Ultra pure water
		SuperEx UPW MB 60	Styrene DVB Copolymer	Sulphonic Acid & Quaternary Ammonium	Gel	H/OH	1.8/1.0	--	--	0.55 to 0.65	--	1.1	700 to 750	80	Ultra pure water
Range of Specialty Chromatography Resins	Specialty Chromatography Resins	SuperEX CHROMO CNa 01	Styrene DVB Copolymer	Sulphonic Acid	Gel	Na	1.6	52 to 56	--	--	--	1.1	810 to 850	80	Separation of Glucose & Maltose/ Oligosacharide
		SuperEX CHROMO CNa 02	Styrene DVB Copolymer	Sulphonic Acid	Gel	Na	1.6	52 to 56	--	--	--	1.1	810 to 850	80	Separation of Glucose & Maltose/ Oligosacharide
		SuperEX CHROMO CNa 03	Styrene DVB Copolymer	Sulphonic Acid	Gel	Na	1.6	52 to 56	--	--	--	1.1	810 to 850	80	Separation of Glucose & Maltose/ Oligosacharide
		SuperEX CHROMO CNa 04	Styrene DVB Copolymer	Sulphonic Acid	Gel	Na	1.6	52 to 56	--	--	--	1.1	810 to 850	80	Separation of Glucose & Maltose/ Oligosacharide
		SuperEX CHROMO CNa 05	Styrene DVB Copolymer	Sulphonic Acid	Gel	Na	1.9	46 to 50	--	--	--	1.1	810 to 850	80	Separation of Glucose & Maltose/ Oligosacharide
		SuperEX CHROMO CK 01	Styrene DVB Copolymer	Sulphonic Acid	Gel	K	1.6	47 to 52	--	--	--	1.1	810 to 850	80	Sucrose Collection from Molasses
		SuperEX CHROMO CK 02	Styrene DVB Copolymer	Sulphonic Acid	Gel	K	1.6	47 to 52	--	--	--	1.1	810 to 850	80	Sucrose Collection from Molasses
		SuperEX CHROMO CK 03	Styrene DVB Copolymer	Sulphonic Acid	Gel	K	1.6	47 to 52	--	--	--	1.1	810 to 850	80	Sucrose Collection from Molasses
		SuperEX CHROMO CK 04	Styrene DVB Copolymer	Sulphonic Acid	Gel	K	1.6	47 to 52	--	--	--	1.1	810 to 850	80	Sucrose Collection from Molasses
		SuperEX CHROMO CK 05	Styrene DVB Copolymer	Sulphonic Acid	Gel	K	1.6	47 to 52	--	--	--	1.1	810 to 850	80	Sucrose Collection from Molasses
		SuperEX CHROMO CK 06	Styrene DVB Copolymer	Sulphonic Acid	Gel	K	1.6	47 to 52	--	--	--	1.1	810 to 850	80	Sucrose Collection from Molasses
		SuperEX CHROMO CK 07	Styrene DVB Copolymer	Sulphonic Acid	Gel	K	2	39 to 43	--	--	--	1.1	840 to 880	80	Sucrose Collection from Molasses
		SuperEX CHROMO CCa 01	Styrene DVB Copolymer	Sulphonic Acid	Gel	Ca	1.6	47 to 51	--	--	--	1.1	810 to 850	80	Purification of Fructose Glucose Separation
		SuperEX CHROMO CCa 02	Styrene DVB Copolymer	Sulphonic Acid	Gel	Ca	1.6	47 to 51	--	--	--	1.1	810 to 850	80	Purification of Fructose Glucose Separation
		SuperEX CHROMO CCa 03	Styrene DVB Copolymer	Sulphonic Acid	Gel	Ca	1.6	47 to 51	--	--	--	1.1	810 to 850	80	Purification of Fructose Glucose Separation
		SuperEX CHROMO CCa 04	Styrene DVB Copolymer	Sulphonic Acid	Gel	Ca	1.6	47 to 51	--	--	--	1.1	810 to 850	80	Purification of Fructose Glucose Separation
		SuperEX CHROMO CCa 05	Styrene DVB Copolymer	Sulphonic Acid	Gel	Ca	1.7	47 to 51	--	--	--	1.1	810 to 850	80	Purification of Fructose Glucose Separation
		SuperEX CHROMO CCa 06	Styrene DVB Copolymer	Sulphonic Acid	Gel	Ca	2	42 to 46	--	--	--	1.1	840 to 880	80	Purification of Fructose Glucose Separation
		SuperEX CHROMO An 01	Styrene DVB Copolymer	Trimethyl Amine	Gel	Cl	1.35	43 to 53	--	--	--	1.1	700 to 740	80	Purification of Bio Diesel and Acid Separation
		SuperEX CHROMO An 02	Styrene DVB Copolymer	Trimethyl Amine	Gel	Cl	1.4	47 to 51	--	--	--	1.1	700 to 740	80	Purification of Bio Diesel and Acid Separation
		SuperEX CHROMO An 03	Styrene DVB Copolymer	DMEA	Gel	Cl	1.4	42 to 46	--	--	--	1.1	700 to 740	80	Purification of Bio Diesel and Acid Separation

	Product Description	Product Name	Matrix	Functional Group	Type	Form	Total Exchange Capacity meq/l	Moisture %	Reversible Swelling %	Particle Size Distribution mm	Effective Size mm	Uniform Coefficent	Backwash Settled Density g/l	Maximum Operating Temperature	Product Application
Chelating Resins	Specialty Chelating Resins	SuperEx CHR IDA	Styrene DVB Copolymer	Imino diacetate	MP	Na	Ca 0.4	--	--	0.4 to 1.0	--	1.6	750 to 800	80	Brine Purification
		SuperEx CHR AMP	Styrene DVB Copolymer	Amino Methyl phosphonate	MP	Na	Ca 0.6	--	--	0.4 to 1.2	--	1.6	710 to 760	80	Brine Purification
		SuperEx CHR TH	Styrene DVB Copolymer	Thorium	Gel	H	1.1	--	--	0.3 to 1.25	--	1.6	700 to 735	80	Mercury removal
		SuperEx CHR PA	Styrene DVB Copolymer	Polyamine	Gel	OH	4 mole as Cu	--	--	0.4 to 1.2	--	1.6	620 to 660	80	Heavy metal separation
		SuperEx CHR GA	Styrene DVB Copolymer	Gulcamine	MP	Free Base	0.6 eq/lit as Boron	--	--	0.3 to 1.25	--	1.6	670 to 710	80	Boron Selective
		SuperEx CHR AP	Styrene DVB Copolymer	Amino Phosphonate	Gel	Al	11g as Fluorine	--	--	0.4 to 1.25	--	1.6	710 to 780	80	Fluoride removal
		SuperEx CHR TEA	Styrene DVB Copolymer	Trimethyl Amine	Gel	Cl	1	--	--	0.3 to 1.25	--	1.6	675 to 710	80	Nitrate removal
Catalyst Resins	Specialty Catalyst Resins	SuperEx CAT 15 MP	Styrene DVB Copolymer	Sulphonic Acid	MP	H	1.5	53 to 60	8	0.3 to 1.2	0.45 to 0.55	1.6	730 to 770	120	Etherification, Alkylation & MTBE
		SuperEx CAT 19 MP	Styrene DVB Copolymer	Sulphonic Acid	MP	H	1.9	42 to 48	4	0.3 to 1.2	0.45 to 0.55	1.6	760 to 800	120	Metal ion removal
		SuperEx CAT 10 MP	Styrene DVB Copolymer	Sulphonic Acid	MP	H	1	65 to 75	10	0.3 to 1.2	0.45 to 0.55	1.6	670 to 710	120	Ethyhexylacrylate (EHA) and other acid application
		SuperEx CAT BsP Gel	Styrene DVB Copolymer	Sulphonic Acid	MP	H	1.2	57 to 67	8	0.3 to 1.2	0.45 to 0.55	1.6	760 to 800	120	Bisphenol Application
		SuperEx CAT MTBE	Styrene DVB Copolymer	Sulphonic Acid	MP	H	1.5	54 to 60	8	0.3 to 1.2	0.45 to 0.55	1.6	720 to 760	120	MTBE Process Application
Adsorbent Resins	Specialty Adsorbent Resins	SuperEx AD 750	Styrene DVB Copolymer	--	--	--	--	--	--	0.3 to 1.25	-	1.6	--	-	Pharma & Nutraceutical
		SuperEx AD 110	Styrene DVB Copolymer	--	--	--	--	--	--	0.25 to 0.75	-	1.6	--	-	Pharma & Nutraceutical
		SuperEx AD 100	Styrene DVB Copolymer	--	--	--	--	--	--	0.25 to 0.75	-	1.6	--	-	Desalting & decolorization
		SuperEx AD 600	Styrene DVB Copolymer	--	--	--	--	--	--	0.25 to 0.75	-	1.6	--	-	Hydrogen peroxide and Electronic industries
Nuclear Grade Resins	Specialty Nuclear Grade Resins	SuperEx NP C 24 UPS	Styrene DVB Copolymer	Sulphonic Acid	Gel	H	2.4	37 to 43	--	0.55 to 0.65	-	1.1	810 to 850	120	Primary circuit WTP
		SuperEx NP A 12 UPS	Styrene DVB Copolymer	Trimethyl Amine	Gel	OH	1.2	54 to 62	--	0.55 to 0.65	--	1.1	650 to 690	60	Primary circuit WTP to maintain TOC 10 ppb
		SuperEx NP MB	Styrene DVB Copolymer	Sulphonic Acid & Quaternary Ammonium	Gel	H/OH	2.4/1.2	--	--	0.55 to 0.65	-	1.1	700 to 750	60	Pure water application
		SuperEx NP A 08 MP	Styrene DVB Copolymer	Trimethyl Amine	Gel	OH	0.8	50 to 70	--	0.4 to 1.2	-	1.4	650 to 690	60	Crude removal
Sugar Grade Resins	Specialty Sugar Purification Resins	SuperEx SG A 2	Styrene DVB Copolymer	Trimethyl Amine	Gel	Cl	0.9	55 to 65	35	0.3 to 1.2	0.45 to 0.55	1.6	670 to 710	80	Sugar Purification
		SuperEx SG AMP 4	Styrene DVB Copolymer	Trimethyl Amine	MP	Cl	1	57 to 67	25	0.3 to 1.2	0.45 to 0.55	1.6	670 to 710	80	Sugar Purification
		SuperEx SG AC MP	Polyacrylate DVB Copolymer	Quaternary Ammonium	Gel	Cl	0.7	64 to 70	25	0.4 to 1.2	0.45 to 0.55	1.6	680 to 720	70	Sugar Purification
Nucleic Grade Resins	Specialty Nucleic Acid Purification Resins	SuperEx MAC 04 UPS	Styrene DVB Copolymer	Sulphonic Acid	Gel	Na	1.2	65 to 70	9	0.55 to 0.65	-	1.1	730 to 770	120	Concentration of Nucleic acid
		SuperEx MAC 08 UPS	Styrene DVB Copolymer	Sulphonic Acid	Gel	Na	2	43 to 49	9	0.55 to 0.65	-	1.1	820 to 870	120	Adsorption of Lysine
		SuperEx NAC 4	Styrene DVB Copolymer	Sulphonic Acid	Gel	Na	1.2	57 to 67	8	0.3 to 1.2	0.45 to 0.55	1.6	760 to 800	120	Separation of Nucleic Acid
		SuperEx NAM 26 MP	Styrene DVB Copolymer	DMEA	MP	Cl	1.1	46 to 52	13	0.3 to 1.2	0.45 to 0.55	1.6	660 to 700	70	Nucleic Acid Purification
		SuperEx NAM 26 MP UPS	Styrene DVB Copolymer	DMEA	MP	Cl	1.1	46 to 52	13	0.3 to 1.2	0.45 to 0.55	1.1	660 to 700	70	Nucleic Acid Purification

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