Product Data Sheet DIAION[™] SKT110

DIAION[™] SKT110 is a gel type strongly acidic cation exchange resin. It has a 10% cross-linkages and shows lower TOC leakage. It is recommended for UPW application.

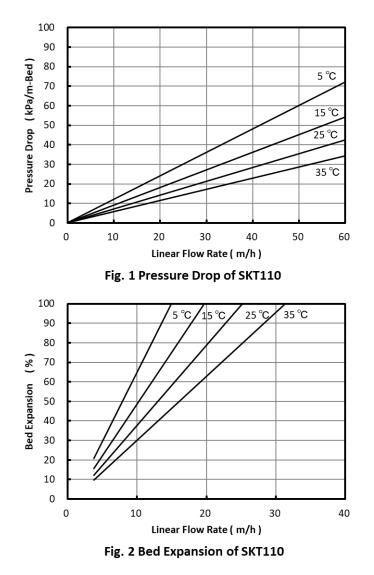
Product		
Grade Name		DIAION TM SKT110
Туре		Strong Acid Cation
Matrix		Styrene-DVB, Gel
Functional Group		Sulfonic acid
Ionic Form		H
Specification		
Color and Shape	-	Brown Translucent Beads
Salt Splitting Capacity	meq/mL	1.9 min
Water Content	%	40 - 50
Particle Size Distribution on 1180 μm	%	5 max
Particle Size Distribution thr. 300 μm	%	1 max
Effective Size	mm	0.40 min
Uniformity Coefficient	-	1.6 max
Ionic Form Conversion (H^{+})	eq%	99.9 min
ΔΤΟΟ	ppb	20 max
Outlet Resistivity	MΩ∙cm	12 min
Typical Properties		
Shipping Density	g/L	800
Mean Particle Size	μm	750
Particle Density	g/mL	1.23
Total Swelling (Na ⁺ to H^+)	%	8
Recommended Operating Condit	ions	
Maximum Operating Temperature	°C	120
Operating pH Range		0 - 14
Minimum Bed Depth	mm	800
Service Flow Rate	BV/h	10 - 40
Regenerant		HC
		H ₂ SO
Regenerant Concentration	%	HCl 4 - 10
		H ₂ SO ₄ 1 - 4
		11)JOA -
	g/L	
Regenerant Level Regenerant Flow Rate	g/L BV/h	

1 BV(Bed Volume)=1 m³/m³-resin

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Hydraulic Characteristics

The approximate pressure drop at various temperatures and flow rates for each meter of bed depth of $DIAION^{TM}$ SKT110 resin in normal down flow operation is shown in the graphs below.



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